

**FORMER BLAISE PROPERTY
ROUTE 74 & 22A
SHOREHAM, VT**

BIENNIAL GROUNDWATER REPORT

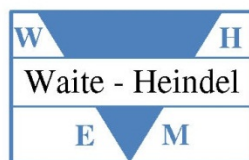
VERMONT SMS SITE #96-2099

September 3, 2014

Prepared for:

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Prepared by:



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1.0 INTRODUCTION

This report presents the results of groundwater sampling at the former Blaise property, located at the intersection of Routes 74 and 22A in Shoreham, Vermont (see attached USGS Map). Waite-Heindel Environmental Management (WHEM) completed this work on July 25, 2014, in accordance with a work plan dated March 28, 2014 and approved by the Sites Management Section (SMS) of the Vermont Department of Environmental Conservation (VDEC). This property is sampled on a biennial basis, and was last sampled in May of 2012.

The property was formerly owned by the Blaise family. The property changed hands in November 2013, and is now owned by Creek Road, LLC. The building on the property is currently unoccupied.

2.0 GROUNDWATER ELEVATION MEASUREMENT

Groundwater depth measurements were obtained from monitoring wells MW-2, MW-3, MW-4, MW-5 and MW-6 on July 25, 2014 prior to groundwater sampling. Well MW-1 could not be located this round, and has not been located for sampling since 2001 and is presumed to be destroyed. Groundwater elevation data is included in Table 1 of the Attachment. Groundwater elevations have been contoured and are shown visually in the Groundwater Elevation and BTEX Concentration Map in the Attachment.

The direction of groundwater flow continues to be generally south to north across the site. The lateral hydraulic gradient across the site is approximately 0.01 ft/ft (MW-2 to MW-5). Compared to previous sampling in 2012, groundwater elevations are higher by an average of 0.43 ft.

3.0 GROUNDWATER SAMPLING

Groundwater samples were collected from five monitoring wells (MW-2, MW-3, MW-4, MW-5 and MW-6) on July 25, 2014. Prior to sampling, wells were purged using a peristaltic pump of three well volumes of water and samples collected. Free product was not encountered in any of the wells. All water samples were preserved with hydrochloric acid and ice, and submitted to Endyne, Inc for analysis of petroleum hydrocarbons via EPA Method 8021B. Analytical results are included in Table 2 of the Attachment, and laboratory report is also attached.

The July 2014 results indicate that residual petroleum hydrocarbons were identified in monitoring wells MW-4 and MW-5. Well MW-4 had detectable concentrations of Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), Naphthalene, Trimethylbenzenes and MTBE; while well MW-5 had detectable concentrations of MTBE only. Violations of Vermont's Groundwater Enforcement Standards (VGES) were noted for Benzene and Naphthalene in MW-4. Additionally, violation of VGES was noted for MTBE in MW-5. Sampling conducted in May 2012 had indicated no violations of VGES for MW-5, however, it is noted that MTBE has since rebounded to levels exceeding VGES; these fluctuations have been historically observed in this well. MW-4 and MW-5 are located within the footprint of the former UST, and they have historically shown high contaminant levels. The levels detected in MW-4 are significantly lower than 2012 results but remain within historic ranges, as concentrations continue to fluctuate within this source area well.

Contaminant concentrations in MW-2, MW-3, and MW-6 were all below laboratory detection limits (ND). More than ten unidentified peaks were observed in MW-2, MW-3, and MW-4. A duplicate sample was collected from MW-4 and results are very similar, well within acceptable QA/QC ranges.

A contaminant concentration map is (provided in the Attachment) was generated using the current laboratory results showing the BTEX concentrations of each monitoring well. These results are consistent with historic contaminant data, indicating the center of the plume is confined in the eastern section of the footprint of the former USTs (where MW-4 and MW-5 are located). The majority of the contamination continues to remain in this footprint, and does not appear to extend beyond the boundaries of the property at this time.

The BTEX Graph in the Attachment shows declining concentrations with time in wells MW-3, MW-4, and MW-5. BTEX has been reduced to below detectable levels in MW-3 and MW-5, but remains in MW-4.

4.0 BASEMENT AND SUMP INVESTIGATION

In a letter dated June 4, 2012, the SMS approved an additional investigation of the basement and sump. This investigation was prompted by concerns voiced by the tenant, including a petroleum scent in the basement and visible sheen in the sump water. A staff scientist was on-site on July 13, 2012 to conduct an inspection of the basement which included PID screening, visual analysis, determination of sump outfall, and sampling of the sump water.

The 2012 inspection confirmed that the sump discharges to the municipal sewer, along with the rest of the home's sewage. The inspection also revealed substantial evidence of flooding events. Silt stained portions of the northern wall, where surface water had penetrated the building envelope. Much of the basement floor, built of poured concrete, was covered in a thin, moist silt layer. While most of the silt was gray and very low chroma, some was stained with reduced iron. The activity of iron bacteria in the silt surrounding the sump area was evident. The only staining that might have been caused by petroleum was near the oil storage tank, which was empty at the time of inspection. There was minimal staining in this area. The water heater is electric, and the oil-fired air heating system was turned off for the summer.

A sample was collected from the sump itself in May 2012 and analyzed for volatile organics by EPA Method 8021B. No petroleum compounds were detected. Results are shown in Table 2. This sump was re-sampled by WHEM on July 25, 2014. Again, no petroleum compounds were detected and no petroleum odor was detected in the basement. Although the WHEM field technician noted that a sheen was present on the sump water, its dispersal pattern showed biological rather than petrochemical characteristics. WHEM staff hypothesize that the petroleum-like odor noted by the tenant in 2012 is actually sewer gas venting from the exposed septic line. When water is pushed through the line, the sewer gas is forced out of the pipe and into the basement air. This venting should be plumbed to the outside.

Although the contaminant plume possibly abuts the building foundation, WHEM's findings from the basement and sump investigation suggest that petroleum contamination has not infiltrated the building in recent history. Additionally, water elevation data indicates that groundwater does not flow in the direction of the building.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Waite-Heindel Environment Management (WHEM) completed the biennial groundwater sampling of the former Blaise property in Shoreham, Vermont on July 25, 2014. This sampling was completed under agreement with the Sites Management Section (SMS) of the Vermont Department of Environmental Conservation (VDEC). Groundwater samples were collected from five monitoring wells: MW-2, MW-3, MW-4, MW-5 and MW-6. Additional sump sampling and basement inspection was also conducted in July 25, 2014. Based on the results of this sampling and basement sampling, WHEM concludes that:

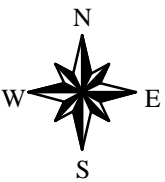


- Groundwater flow continues to be from south to north across the site, with a lateral hydraulic gradient across the site of approximately 0.01 ft/ft (MW-2 to MW-5).
- Residual petroleum hydrocarbons remain in monitoring wells MW-4 and MW-5. Violations of the VGES were noted for Benzene and Naphthalene in MW-4 and for MTBE in MW-5. Petroleum hydrocarbons were not detected in wells MW-2, MW-3, or MW-6.
- The 2014 results are consistent with historic contaminant data, indicating the center of the plume is confined in the eastern section of the footprint of the former USTs (where MW-4 and MW-5 are located). The majority of the contamination continues to remain within this footprint, and does not extend beyond the boundaries of the property.
- Sampling of the basement and sump in July 2014 re-confirmed that petroleum contamination is not being drawn into the sump pump.

WHEM does not recommend further assessment of the basement sump. While contaminant levels in well MW-4 and MW-5 remain above VGES, biennial groundwater monitoring could continue until the concentrations fall below VGES. However, because groundwater contamination is well defined and restricted to a small portion of the property, with no evidence of migration and clear decreasing trends, a SMAC Checklist has been included in the Attachment of this report for VDEC review, contingent on filing a notice to the land record (NTLOR) that identifies the small area of residual contamination.

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ATTACHMENT



Blaise Property
 Shoreham, Vermont
USGS Site Location Map

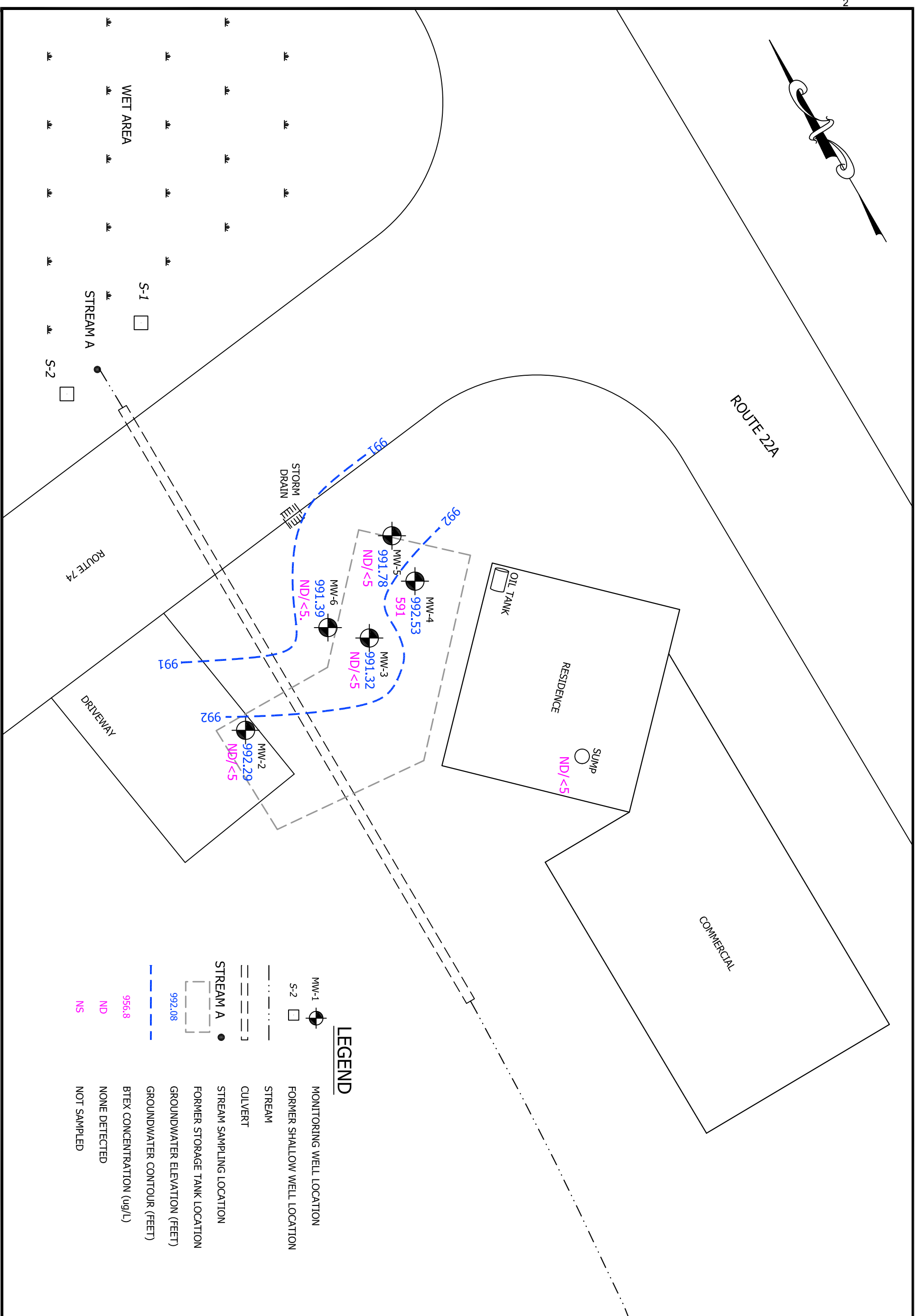
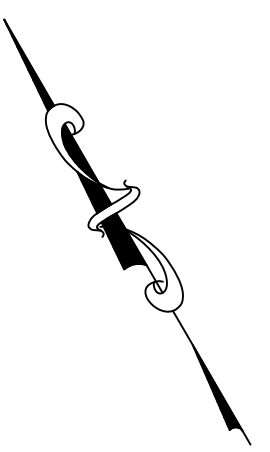
2000 0 2000 4000 Feet



August 5, 2003
 S. Smith
 c:\blaise\stemap.apr

Heindel and Noyes
 "Hydrology" "Ecology"
 "Environmental Engineering"
 CONSULTING SCIENTISTS AND ENGINEERS

Prepared by:
INFORMATION & VISUALIZATION SERVICES



LEGEND

| | | |
|--|--------|------------------------------|
| | MW-1 | MONITORING WELL LOCATION |
| | S-2 | FORMER SHALLOW WELL LOCATION |
| | | STREAM |
| | | CULVERT |
| | ● | STREAM SAMPLING LOCATION |
| | | FORMER STORAGE TANK LOCATION |
| | 992.08 | GROUNDWATER ELEVATION (FEET) |
| | 956.8 | GROUNDWATER CONTOUR (FEET) |
| | ND | BTEX CONCENTRATION (ug/L) |
| | NS | NONE DETECTED |
| | | NOT SAMPLED |

| | | | |
|---|------------------------------------|--|--|
| <p>BLAISE/SHOREHAM</p> <p>SHOREHAM, VERMONT</p> | | DATE: 9/2/2014 | <p>Waite - Heindel Environmental Management</p> <p>• Hydrogeology • Environmental Services • • Water and Wastewater Design • Burlington, Vermont • (802) 860-9400</p> |
| | | PROJECT NO. 98197.1 | |
| DRAWN BY: D.W.F. | | | |
| PROJ. MGR: C.P. | | | |
| APPROVED: | | | |
| SCALE: 1"=20' | FILE: \SHORHAM\CADD\dwg\Blaise.dwg | <input type="checkbox"/> DRAFT <input checked="" type="checkbox"/> FINAL | |



TABLE 1
GROUNDWATER ELEVATION DATA (FT)
Former Blaise Property
Shoreham, Vermont

| DEPTH TO GROUNDWATER (ft) | | | | | | | | | | | | | | | |
|----------------------------------|--|-----------|----------|-----------|-----------|-----------|----------|----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| Monitoring Well | | 3/18/1999 | 6/2/1999 | 8/30/1999 | 5/12/2000 | 4/24/2001 | 5/3/2002 | 9/9/2002 | 5/13/2003 | 5/5/2004 | 5/19/2006 | 5/23/2008 | 5/14/2010 | 5/22/2012 | 7/25/2014 |
| MW-01 | | 5.05 | 4.05 | 6.21 | 4.03 | 4.90 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-02 | | 4.80 | 5.39 | 6.20 | 3.22 | 4.41 | NS | NS | NS | 4.98 | 2.21 | 5.94 | 4.52 | 4.46 | 6.06 |
| MW-03 | | 5.66 | 6.65 | 6.50 | 6.79 | 6.74 | 6.32 | 6.63 | 7.20 | 6.91 | 6.66 | 7.20 | 7.02 | 6.98 | 7.05 |
| MW-04 | | 5.04 | 6.05 | 6.27 | 5.00 | 5.77 | 4.75 | 6.24 | 3.50 | 5.96 | 3.24 | 6.48 | 5.82 | 5.79 | 6.05 |
| S-1 | | 1.46 | 1.74 | 1.60 | 0.42 | | | | | | | | | | |
| S-2 | | 0.16 | 0.66 | 0.93 | 1.52 | | | | | | | | | | |
| MW-05 | | | | | | | | 6.18 | 4.80 | 6.05 | 4.63 | 6.43 | 5.83 | 5.74 | 6.04 |
| MW-06 | | | | | | | | 5.95 | 2.30 | 5.97 | 1.71 | 6.33 | 6.05 | 6.12 | 6.19 |

| GROUNDWATER ELEVATION (ft) | | | | | | | | | | | | | | | |
|-----------------------------------|-------------------------|-----------|----------|-----------|-----------|-----------|----------|----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| Monitoring Well | Top of Casing Elevation | 3/18/1999 | 6/2/1999 | 8/30/1999 | 5/12/2000 | 4/24/2001 | 5/3/2002 | 9/9/2002 | 5/13/2003 | 5/5/2004 | 5/19/2006 | 5/23/2008 | 5/14/2010 | 5/22/2012 | 7/25/2014 |
| MW-01 | 1000.16 | 995.11 | 996.11 | 993.95 | 996.13 | 995.26 | | | | NS | NS | NS | NS | NS | NS |
| MW-02 | 998.35 | 993.55 | 992.96 | 992.15 | 995.13 | 993.94 | | | | 993.37 | 996.14 | 992.41 | 993.83 | 993.89 | 992.29 |
| MW-03 | 998.37 | 992.71 | 991.72 | 991.87 | 991.58 | 991.63 | 992.05 | 991.74 | 991.17 | 991.46 | 991.71 | 991.17 | 991.35 | 991.39 | 991.32 |
| MW-04 | 998.58 | 993.54 | 992.53 | 992.31 | 993.58 | 992.81 | 993.83 | 992.34 | 995.08 | 992.62 | 995.34 | 992.10 | 992.76 | 992.79 | 992.53 |
| MW-05 | 997.82 | | | | | | | 991.64 | 993.02 | 991.77 | 993.19 | 991.39 | 991.99 | 992.08 | 991.78 |
| MW-06 | 997.43 | | | | | | | 991.48 | 995.13 | 991.46 | 995.72 | 991.10 | 991.38 | 991.31 | 991.39 |
| | average | 993.73 | 993.33 | 992.57 | 994.11 | 993.41 | 992.94 | 991.80 | 993.60 | 992.14 | 994.42 | 991.63 | 992.26 | 992.29 | 991.86 |

note: Elevations based on a benchmark of 1000' at the top of the Tri-Town water valve adjacent to Rt. 22A



TABLE 2
WATER QUALITY DATA
Former Blaise Property

| Monitoring Well | Parameter | Units | VGES | 3/18/1999 | 6/2/1999 | 8/30/1999 | 5/12/2000 | 4/24/2001 | 5/3/2002 | 9/9/2002 | 5/13/2003 | 5/5/2004 | 5/19/2006 | 5/23/2008 | 5/14/2010 | 5/22/2012 | 7/25/2014 |
|-----------------|------------------------------|-------------|-------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| MW-01 | Benzene | ppb | 5 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | | | | NS | NS | NS | NS | NS | NS |
| | Toluene | ppb | 1000 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | | | | NS | NS | NS | NS | NS | NS |
| | Ethylbenzene | ppb | 700 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | | | | NS | NS | NS | NS | NS | NS |
| | Xylene | ppb | 10000 | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 2 | | | | NS | NS | NS | NS | NS | NS |
| | Total BTEX | ppb | | ND / < 5 | ND / < 5 | ND / < 5 | ND / < 4 | ND / < 4 | | | | NS | NS | NS | NS | NS | NS |
| | MTBE | ppb | 40 | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 10 | ND / < 10 | | | | NS | NS | NS | NS | NS | NS |
| | Naphthalene | ppb | 20 | ND / < 5 | ND / < 5 | ND / < 5 | ND / < 1 | ND / < 1 | | | | NS | NS | NS | NS | NS | NS |
| | 1,3,5-Trimethylbenzene | ppb | 350 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | | | | NS | NS | NS | NS | NS | NS |
| | 1,2,4-Trimethylbenzene | ppb | | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | | | | NS | NS | NS | NS | NS | NS |
| | Unidentified Peaks | # | | 0 | 0 | 0 | 0 | 0 | | | | NS | NS | NS | NS | NS | NS |
| | Total Petroleum Hydrocarbons | ppb | | ND / < 100 | ND / < 100 | ND / < 100 | | | | | | NS | NS | NS | NS | NS | NS |
| | Chloride | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS |
| | Nitrogen, Ammonia | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS |
| | Nitrogen, Nitrate | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS |
| | E. coli | CFU/100 mls | | | | | | | | | | NS | NS | NS | NS | NS | NS |
| | Conductivity | umhos/cm | | | | | | | | | | NS | NS | NS | NS | NS | NS |
| MW-02 | Benzene | ppb | 5 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | | | | NS | NS | ND / < 1 | NS | NS | ND / < 1 |
| | Toluene | ppb | 1000 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | | | | NS | NS | ND / < 1 | NS | NS | ND / < 1 |
| | Ethylbenzene | ppb | 700 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | | | | NS | NS | ND / < 1 | NS | NS | ND / < 1 |
| | Xylene | ppb | 10000 | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 1 | ND / < 1 | | | | NS | NS | ND / < 2 | NS | NS | ND / < 2 |
| | Total BTEX | ppb | | ND / < 5 | ND / < 5 | ND / < 5 | ND / < 4 | ND / < 4 | | | | NS | NS | ND / < 5 | NS | NS | ND / < 5 |
| | MTBE | ppb | 40 | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 10 | ND / < 10 | | | | NS | NS | ND / < 2 | NS | NS | ND / < 2 |
| | Naphthalene | ppb | 20 | ND / < 5 | ND / < 5 | ND / < 5 | ND / < 1 | ND / < 1 | | | | NS | NS | ND / < 2 | NS | NS | ND / < 2 |
| | 1,3,5-Trimethylbenzene | ppb | 350 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | | | | NS | NS | ND / < 1 | NS | NS | ND / < 1 |
| | 1,2,4-Trimethylbenzene | ppb | | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | | | | NS | NS | ND / < 1 | NS | NS | ND / < 1 |
| | Unidentified Peaks | # | | 0 | 0 | 0 | 0 | 0 | | | | NS | NS | ND / < 1 | NS | NS | >10 |
| | Total Petroleum Hydrocarbons | ppb | | ND / < 100 | ND / < 100 | ND / < 100 | | | | | | NS | NS | NS | NS | NS | NS |
| | Chloride | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS |
| | Nitrogen, Ammonia | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS |
| | Nitrogen, Nitrate | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS |
| | E. coli | CFU/100 mls | | | | | | | | | | NS | NS | NS | NS | NS | NS |
| | Conductivity | umhos/cm | | | | | | | | | | NS | NS | NS | NS | NS | NS |
| MW-03 | Benzene | ppb | 5 | 88 | 109 | 64.2 | 84.2 | 95.2 | 67.1 | 71.2 | 59.6 | 11.6 | ND / < 2 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 |
| | Toluene | ppb | 1000 | 106 | 85.1 | 29.4 | 22.7 | 33.4 | 19.6 | 6.2 | 18.2 | < 2 | ND / < 2 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 |
| | Ethylbenzene | ppb | 700 | 198 | 267 | 226 | 174 | 214 | 198 | 196 | 960 | 64.7 | ND / < 2 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 |
| | Xylene | ppb | 10000 | 516 | 591 | 556 | 185 | 336 | 415 | 356 | 380 | 41.4 | ND / < 4 | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 2 |
| | Total BTEX | ppb | | 908 | 1052.1 | 875.6 | 465.9 | 678.6 | 699.7 | 629.4 | 1417.8 | 119.7 | ND / < 10 | ND / < 5 | ND / < 5 | ND / < 5 | ND / < 5 |
| | MTBE | ppb | 40 | ND / < 20 | 23.2 | 15.7 | ND / < 50 | ND / < 50 | ND / < 15 | ND / < 10 | 34.2 | < 4 | ND / < 4 | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 2 |
| | Naphthalene | ppb | 20 | ND / < 50 | 57.9 | 61 | 37.3 | 60.3 | 41.9 | 49.1 | 30.3 | 2.1 | ND / < 4 | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 2 |
| | 1,3,5-Trimethylbenzene | ppb | 350 | 20.3 | 16.5 | 28.2 | 7.2 | 71.9 | 13.5 | 11.9 | 76.9 | < 2 | ND / < 2 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 |
| | 1,2,4-Trimethylbenzene | ppb | | 254 | 331 | 366 | 231 | 289 | 312 | 363 | 383 | 101 | ND / < 2 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 |
| | Unidentified Peaks | # | | > 10 | > 10 | > 10 | > 10 | > 10 | > 10 | > 10 | > 10 | > 10 | 9 | > 10 | 6 | > 10 | > 10 |
| | Total Petroleum Hydrocarbons | ppb | | 2,900 | 4,740 | 4,200 | 2,370 | | 7,520 | 4,320 | | | NS | NS | NS | NS | NS |
| | Chloride | ppm | | | | | | | | | | | NS | NS | NS | NS | NS |
| | Nitrogen, Ammonia | ppm | | | | | | | | | | | NS | NS | NS | NS | NS |
| | Nitrogen, Nitrate | ppm | | | | | | | | | | | NS | NS | NS | NS | NS |
| | E. coli | CFU/100 mls | | | | | | | | | | | NS | NS | NS | NS | NS |
| | Conductivity | umhos/cm | | | | | | | | | | | NS | NS | NS | NS | NS |

ND = None detected
NS = Not sampled
TBQ = Trace below quantitation
Shaded values exceed VGES



TABLE 2
WATER QUALITY DATA
Former Blaise Property

| Monitoring Well | Parameter | Units | VGES | 3/18/1999 | 6/2/1999 | 8/30/1999 | 5/12/2000 | 4/24/2001 | 5/3/2002 | 9/9/2002 | 5/13/2003 | 5/5/2004 | 5/19/2006 | 5/23/2008 | 5/14/2010 | 5/22/2012 | 7/25/2014 | |
|------------------------------|------------------------------|---------|-------|------------|------------|------------|------------|-----------|----------|------------|------------|----------|-----------|-----------|-----------|-----------|-----------|----------|
| MW-04 | Benzene | ppb | 5 | 107 | 94.5 | 110 | 105 | 24 | 73.8 | 65.4 | 2.9 | 26.2 | 41.7 | 42.4 | 55.7 | 22 | 15.4 | |
| | Toluene | ppb | 1000 | 723 | 601 | 788 | 391 | 77 | 115 | 227 | 4.3 | 43.3 | 58.0 | 34.3 | 47.9 | 23.8 | 16.3 | |
| | Ethylbenzene | ppb | 700 | ND / < 100 | 635 | 678 | 463 | 121 | 390 | 343 | 9.5 | 167 | 259 | 211 | 474 | 177 | 120 | |
| | Xylene | ppb | 10000 | 8980 | 6710 | 6340 | 2820 | 724 | 2,010 | 2,260 | 57.6 | 865.0 | 1110 | 557 | 2030 | 734 | 439 | |
| | Total BTEX | ppb | | < 9910 | 8040.5 | 7916 | 3779 | 946 | 2588.8 | 2895.4 | 74.3 | 1101.5 | 1468.7 | 844.7 | 2607.6 | 956.8 | 591 | |
| | MTBE | ppb | 40 | ND / < 200 | ND / < 100 | ND / < 100 | ND / < 200 | ND / < 50 | < 20.0 | ND / < 40 | 2 | < 20 | < 40 | ND / < 20 | ND / < 20 | 35.8 | 24.2 | |
| | Naphthalene | ppb | 20 | 619 | 561 | 531 | 342 | 103 | 221 | 268 | 7 | 112 | 170 | 107 | 223 | 104 | 54 | |
| | 1,3,5-Trimethylbenzene | ppb | 350 | 1040 | 622 | 665 | 318 | 48.6 | 49.7 | 68.8 | 2.3 | 42.1 | 76.1 | 65.8 | 183 | 69.5 | 27.6 | |
| | 1,2,4-Trimethylbenzene | ppb | | 2880 | 2050 | 2050 | 1100 | 237 | 930 | 921 | 20.5 | 348 | 566 | 310 | 1000 | 351 | 168 | |
| | Unidentified Peaks | # | | > 10 | > 10 | > 10 | > 10 | > 10 | > 10 | > 10 | > 10 | > 10 | > 10 | > 10 | > 10 | > 10 | > 10 | > 10 |
| | Total Petroleum Hydrocarbons | ppb | | 21,000 | 29,900 | 27,300 | 14,500 | 14,500 | 15,000 | 16,700 | | NS | NS | NS | NS | NS | NS | NS |
| | Chloride | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS | NS |
| | Nitrogen, Ammonia | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS | NS |
| Nitrogen, Nitrate | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS | NS | |
| E. coli | CFU/100 mls | | | | | | | | | | NS | NS | NS | NS | NS | NS | NS | |
| Conductivity | umhos/cm | | | | | | | | | | NS | NS | NS | NS | NS | NS | NS | |
| MW-05 | Benzene | ppb | 5 | | | | | | | 37.2 | 88.2 | 14.5 | 9.5 | 17.1 | 2.1 | 1.6 | ND / < 1 | |
| | Toluene | ppb | 1000 | | | | | | | 1.5 | 4.1 | < 1 | < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | |
| | Ethylbenzene | ppb | 700 | | | | | | | 1.2 | 18.4 | < 1 | < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | |
| | Xylene | ppb | 10000 | | | | | | | 2 | 12.9 | < 2 | < 2 | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 2 | |
| | Total BTEX | ppb | | | | | | | | 41.9 | 123.6 | 18.5 | < 13.5 | < 21 | < 6 | < 6 | ND / < 5 | |
| | MTBE | ppb | 40 | | | | | | | 65.1 | 23.5 | 56.3 | 63.4 | 15.6 | 46.9 | 35.5 | 61.5 | |
| | Naphthalene | ppb | 20 | | | | | | | ND / < 2 | 2 | < 1 | < 2 | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 2 | |
| | 1,3,5-Trimethylbenzene | ppb | 350 | | | | | | | ND / < 1 | 1.3 | < 1 | < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | |
| | 1,2,4-Trimethylbenzene | ppb | | | | | | | | 1.3 | 18.8 | 1.9 | < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | |
| | Unidentified Peaks | # | | | | | | | | > 10 | > 10 | > 10 | 3 | 5 | 5 | 4 | 4 | |
| | Total Petroleum Hydrocarbons | ppb | | | | | | | | 450 | NS | NS | NS | NS | NS | NS | NS | |
| | MW-06 | Benzene | ppb | 5 | | | | | | | ND / < 1 | ND / < 1 | ND / < 1 | < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 |
| | | Toluene | ppb | 1000 | | | | | | | ND / < 1 | ND / < 1 | ND / < 1 | < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 |
| Ethylbenzene | | ppb | 700 | | | | | | | ND / < 1 | ND / < 1 | ND / < 1 | < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | |
| Xylene | | ppb | 10000 | | | | | | | ND / < 2 | ND / < 2 | ND / < 2 | < 2 | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 2 | |
| Total BTEX | | ppb | | | | | | | | ND / < 5 | ND / < 5 | ND / < 5 | < 5 | ND / < 5 | ND / < 7 | ND / < 5 | ND / < 5 | |
| MTBE | | ppb | 40 | | | | | | | ND / < 2 | ND / < 2 | ND / < 2 | < 2 | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 2 | |
| Naphthalene | | ppb | 20 | | | | | | | ND / < 2 | ND / < 1 | ND / < 1 | < 2 | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 2 | |
| 1,3,5-Trimethylbenzene | | ppb | 350 | | | | | | | ND / < 1 | ND / < 1 | ND / < 1 | < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | |
| 1,2,4-Trimethylbenzene | | ppb | | | | | | | | ND / < 1 | ND / < 1 | ND / < 1 | < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | |
| Unidentified Peaks | | # | | | | | | | | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | |
| Total Petroleum Hydrocarbons | | ppb | | | | | | | | ND / < 200 | ND / < 200 | NS | NS | NS | NS | NS | NS | |
| Sump | | Benzene | ppb | 5 | | | | | | | | | | | | | NS | ND / < 1 |
| | | Toluene | ppb | 1000 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | ND / < 1 |
| | Ethylbenzene | ppb | 700 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | ND / < 1 | |
| | Xylene | ppb | 10000 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | ND / < 2 | |
| | Total BTEX | ppb | | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | ND / < 5 | |
| | MTBE | ppb | 40 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | ND / < 2 | |
| | Naphthalene | ppb | 20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | ND / < 2 | |
| | 1,3,5-Trimethylbenzene | ppb | 350 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | ND / < 1 | |
| | 1,2,4-Trimethylbenzene | ppb | | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | ND / < 1 | |
| | Unidentified Peaks | # | | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 0 | |
| | Total Petroleum Hydrocarbons | ppb | | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | |

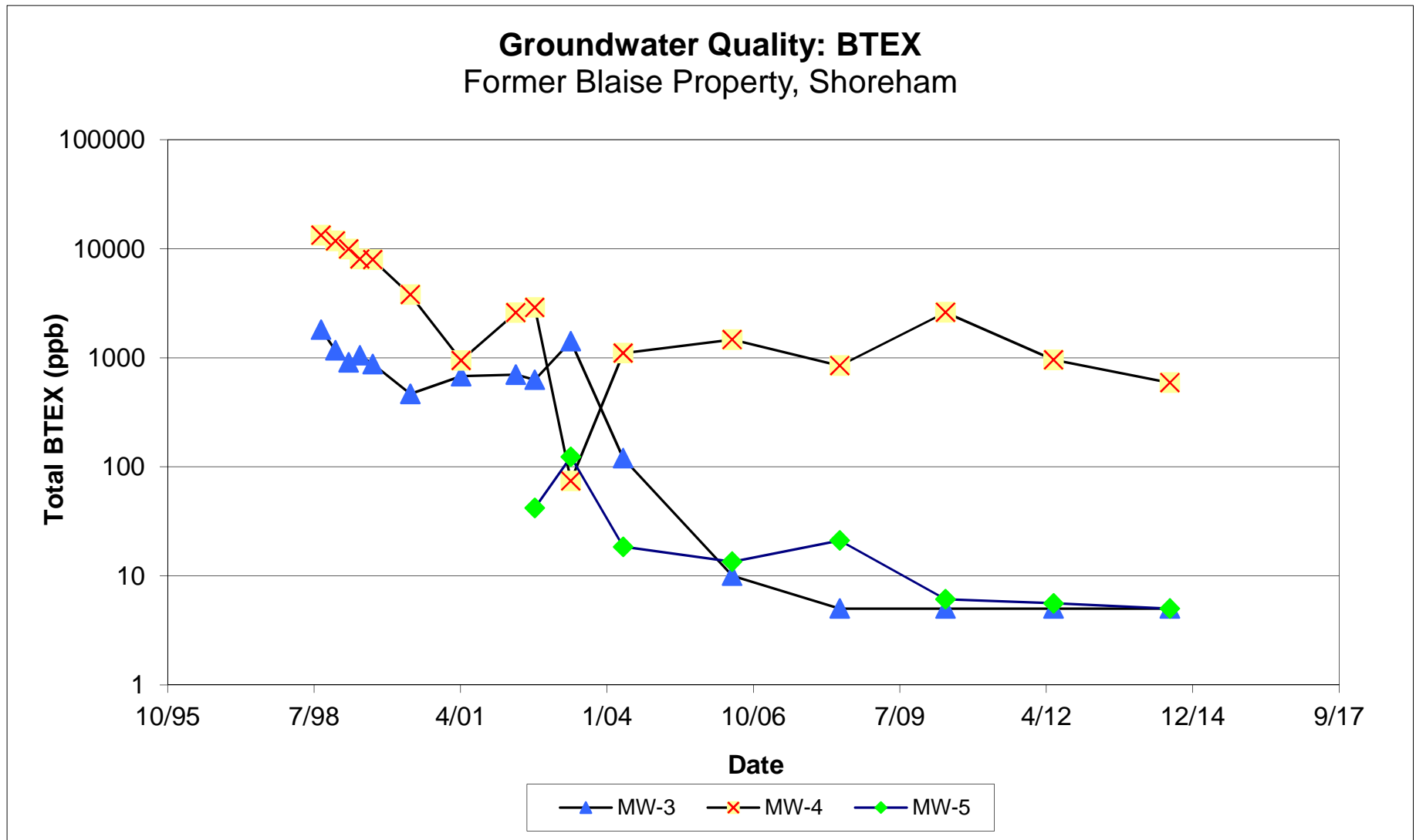
ND = None detected
NS = Not sampled
TBQ = Trace below quantitation
Shaded values exceed VGES



TABLE 2
WATER QUALITY DATA
Former Blaise Property

| Monitoring Well | Parameter | Units | VGES | 3/18/1999 | 6/2/1999 | 8/30/1999 | 5/12/2000 | 4/24/2001 | 5/3/2002 | 9/9/2002 | 5/13/2003 | 5/5/2004 | 5/19/2006 | 5/23/2008 | 5/14/2010 | 5/22/2012 | 7/25/2014 | |
|------------------------------|------------------------------|--------------|------|------------|------------|------------|-----------|-----------|----------|----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|----|
| Stream A | Benzene | ppb | | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | | | NS | NS | NS | NS | NS | NS | |
| | Toluene | ppb | | ND / < 1 | 4.0 | 11.3 | ND / < 1 | ND / < 1 | ND / < 1 | | | NS | NS | NS | NS | NS | NS | |
| | Ethylbenzene | ppb | | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | | | NS | NS | NS | NS | NS | NS | |
| | Xylene | ppb | | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 1 | ND / < 1 | ND / < 2 | | | NS | NS | NS | NS | NS | NS | |
| | Total BTEX | ppb | | ND / < 5 | < 8.0 | < 15.3 | ND / < 4 | ND / < 4 | ND / < 5 | | | NS | NS | NS | NS | NS | NS | |
| | MTBE | ppb | | ND / < 2 | ND / < 2 | ND / < 2 | ND / < 10 | ND / < 10 | ND / < 2 | | | NS | NS | NS | NS | NS | NS | |
| | Naphthalene | ppb | | ND / < 5 | ND / < 5 | ND / < 5 | ND / < 1 | ND / < 1 | ND / < 2 | | | NS | NS | NS | NS | NS | NS | |
| | 1,3,5-Trimethylbenzene | ppb | | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | | | NS | NS | NS | NS | NS | NS | |
| | 1,2,4-Trimethylbenzene | ppb | | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | ND / < 1 | | | NS | NS | NS | NS | NS | NS | |
| | Unidentified Peaks | # | | 0 | 1 | 0 | 0 | 0 | 0 | | | NS | NS | NS | NS | NS | NS | |
| | Total Petroleum Hydrocarbons | ppb | | ND / < 100 | ND / < 100 | ND / < 100 | | | < 0.20 | | | NS | NS | NS | NS | NS | NS | |
| | S-01 | Benzene | ppb | | | ND / < 1 | ND / < 1 | | | | | | NS | NS | NS | NS | NS | NS |
| | | Toluene | ppb | | | 1.1 | ND / < 1 | | | | | | NS | NS | NS | NS | NS | NS |
| | | Ethylbenzene | ppb | | | ND / < 1 | ND / < 1 | | | | | | NS | NS | NS | NS | NS | NS |
| Xylene | | ppb | | | ND / < 2 | ND / < 2 | | | | | | NS | NS | NS | NS | NS | NS | |
| Total BTEX | | ppb | | | < 5.1 | ND / < 5 | | | | | | NS | NS | NS | NS | NS | NS | |
| MTBE | | ppb | | | ND / < 2 | ND / < 2 | | | | | | NS | NS | NS | NS | NS | NS | |
| Naphthalene | | ppb | | | ND / < 5 | ND / < 5 | | | | | | NS | NS | NS | NS | NS | NS | |
| 1,3,5-Trimethylbenzene | | ppb | | | ND / < 1 | ND / < 1 | | | | | | NS | NS | NS | NS | NS | NS | |
| 1,2,4-Trimethylbenzene | | ppb | | | ND / < 1 | ND / < 1 | | | | | | NS | NS | NS | NS | NS | NS | |
| Unidentified Peaks | | # | | | 0 | 0 | | | | | | NS | NS | NS | NS | NS | NS | |
| Total Petroleum Hydrocarbons | | ppb | | | ND / < 100 | ND / < 100 | | | | | | NS | NS | NS | NS | NS | NS | |
| Chloride | | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS | |
| Nitrogen, Ammonia | | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS | |
| Nitrogen, Nitrate | | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS | |
| E. coli | CFU/100 mls | | | | | | | | | | NS | NS | NS | NS | NS | NS | | |
| Conductivity | umhos/cm | | | | | | | | | | NS | NS | NS | NS | NS | NS | | |
| S-02 | Benzene | ppb | | | ND / < 1 | ND / < 1 | | | | | | NS | NS | NS | NS | NS | NS | |
| | Toluene | ppb | | | ND / < 1 | ND / < 1 | | | | | | NS | NS | NS | NS | NS | NS | |
| | Ethylbenzene | ppb | | | ND / < 1 | ND / < 1 | | | | | | NS | NS | NS | NS | NS | NS | |
| | Xylene | ppb | | | ND / < 2 | ND / < 2 | | | | | | NS | NS | NS | NS | NS | NS | |
| | Total BTEX | ppb | | | ND / < 5 | ND / < 5 | | | | | | NS | NS | NS | NS | NS | NS | |
| | MTBE | ppb | | | ND / < 2 | ND / < 2 | | | | | | NS | NS | NS | NS | NS | NS | |
| | Naphthalene | ppb | | | ND / < 5 | ND / < 5 | | | | | | NS | NS | NS | NS | NS | NS | |
| | 1,3,5-Trimethylbenzene | ppb | | | ND / < 1 | ND / < 1 | | | | | | NS | NS | NS | NS | NS | NS | |
| | 1,2,4-Trimethylbenzene | ppb | | | ND / < 1 | ND / < 1 | | | | | | NS | NS | NS | NS | NS | NS | |
| | Unidentified Peaks | # | | | 0 | 0 | | | | | | NS | NS | NS | NS | NS | NS | |
| | Total Petroleum Hydrocarbons | ppb | | | ND / < 100 | ND / < 100 | | | | | | NS | NS | NS | NS | NS | NS | |
| | Chloride | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS | |
| | Nitrogen, Ammonia | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS | |
| | Nitrogen, Nitrate | ppm | | | | | | | | | | NS | NS | NS | NS | NS | NS | |
| E. coli | CFU/100 mls | | | | | | | | | | NS | NS | NS | NS | NS | NS | | |
| Conductivity | umhos/cm | | | | | | | | | | NS | NS | NS | NS | NS | NS | | |

ND = None detected
NS = Not sampled
TBQ = Trace below quantitation
Shaded values exceed VGES



Site Management Activity Completed (SMAC) Checklist

Site Number: 96-2099Site Name: Former Blaise Property - Shoreham

| Criteria | Yes | No | N/A |
|---|-----|----|-----|
| 1. The source(s), nature and extent has been adequately defined. | X | | |
| 2. Source(s) has been removed, remediated or adequately contained. | X | | |
| 3. Levels of contaminants shall be stable, falling, or non-detectable as measured over a reasonable period of time. | X | | |
| 4. Groundwater enforcement standards are met at entire property...: | | X | |
| Groundwater enforcement standards are met at compliance point(s). | X | | |
| Identify compliance point(s) Predicted at Property Line | | | |
| ...land record notice for residual contamination? | X | | |
| 5. Soil compliance/exposure points are met... | | X | |
| ...if not engineering or institutional controls are in place.. | | X | |
| ...land record notice for residual contamination? | X | | |
| 6. No unacceptable threat to human health or the environment exists onsite. | X | | |
| 7. Monitoring wells have been properly closed... | | X | |
| ...maintenance plan in place... | | | X |
| 8. Site meets RCRA requirements. | X | | |
| 9. Site meets CERCLA requirements. | X | | |
| 10. Outstanding balances paid to satisfaction of WMD? | | | X |
| Comments: | | | |

Signature: _____

Date: September 3, 2014

DRAFT of Notice to the Town of Shoreham Land Records

This is to serve notice to the Town of Shoreham, Vermont, that at the Former Blaise property, located on the corner of Routes 7A and 22A, soil and groundwater in the subsurface is impacted by petroleum VOCs from a leaking underground storage tank. This property is further described in town records as lot #..... tax parcel #..... The property is filed in the Waste Management and Prevention Division records as the Blaise-Shoreham property, SMS Site #96-2099.

On-site contamination resulted from a leaking underground storage tank containing fuel oil, and consists of petroleum VOCs such as Benzene, Toluene, Ethylbenzene, Xylenes, and Naphthalene. This contamination may be present in soil and groundwater at the northern portion of the property, approximately 50-100 feet north of the existing building on-property. Contamination has been identified in the groundwater, which is approximately six (6) feet below grade. Laboratory analyses performed on groundwater samples collected from on-site wells in 2014 indicate that Benzene exceeded the Vermont Groundwater Enforcement Standards (VGES) in one well (MW-04) and Naphthalene exceeded VGES in two wells (MW-04 and MW-05). Both compounds, along with other detected petroleum compounds, have been observed as having a steady downward trend over monitoring history, and no other wells on-property have reported any VOCs in recent history. There is no evidence of off-property migration of contamination. Natural attenuation of petroleum compounds has been the primary means of contaminant reduction on-site. The basement of the on-site building has been screened by PID, and the sump pit was sampled in 2012 following when the tenant reported a sheen and odor in the basement. Analytical results from the sump sampling and PID screening revealed no evidence of contaminant impacts to the building envelope.

Further details are outlined in the report titled *Former Blaise Property – 2014 Biennial Groundwater Monitoring Report* prepared by Waite-Heindel Environmental, dated September 3, 2014. Copies of this report and past monitoring reports are in the site file and are available for review at the Vermont Department of Environmental Conservation (VTDEC) offices in Montpelier, Vermont.

The conditions described in the above reports and VTDEC site file do not require further remedial action or VTDEC management. These conditions do not represent a significant risk to human health or the environment. Nevertheless residual contamination remains in the subsurface soil and/or groundwater. Contact with these materials may present a low level of risk or the creation of wastes that may require specialized handling.

Prior to conducting any subsurface work, excavation, or groundwater extraction in the vicinity of the above described contamination on the property, the Agency of Natural Resources, Department of Environmental Conservation, Waste Management Division (VTANR/DEC/WMD), should be notified. The status of this site may only be updated or altered by the Vermont ANR/DEC/WMD. For further information contact:

Vermont ANR Department of Environmental Conservation
Waste Management and Prevention Division
1 National Life Drive, Davis 1
Montpelier, VT 05620-3704
Tel: 802-522-5729



Laboratory Report

| | |
|--------------------------------|--------|
| WaiteHeindel Environmental Mgt | 100675 |
| 7 Kilburn Street | |
| Suite 301 | |
| Burlington, VT 05406 | |
| Atten: Miles Waite | |

PROJECT: Blaise-Shoreham
 WORK ORDER: **1407-14648**
 DATE RECEIVED: July 25, 2014
 DATE REPORTED: August 05, 2014
 SAMPLER: Stefan

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. All required method quality control elements including instrument calibration were performed in accordance with method requirements and determined to be acceptable unless otherwise noted.

The column labeled Lab/Tech in the accompanying report denotes the laboratory facility where the testing was performed and the technician who conducted the assay. A "W" designates the Williston, VT lab under NELAC certification ELAP 11263; "R" designates the Lebanon, NH facility under certification NH 2037 and "N" the Plattsburgh, NY lab under certification ELAP 11892. "Sub" indicates the testing was performed by a subcontracted laboratory. The accreditation status of the subcontracted lab is referenced in the corresponding NELAC and Qual fields.

The NELAC column also denotes the accreditation status of each laboratory for each reported parameter. "A" indicates the referenced laboratory is NELAC accredited for the parameter reported. "N" indicates the laboratory is not accredited. "U" indicates that NELAC does not offer accreditation for that parameter in that specific matrix. Test results denoted with an "A" meet all National Environmental Laboratory Accreditation Program requirements except where denoted by pertinent data qualifiers. Test results are representative of the samples as they were received at the laboratory

Endyne, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose.

Reviewed by:

Harry B. Locker, Ph.D.
 Laboratory Director

www.endynelabs.com



160 James Brown Dr., Williston, VT 05495
 Ph 802-879-4333 Fax 802-879-7103

56 Etna Road, Lebanon, NH 03766
 Ph 603-678-4891 Fax 603-678-4893



CLIENT: WaiteHeindel Environmental Mgt
 PROJECT: Blaise-Shoreham
 REPORT DATE: 8/5/2014

WORK ORDER: 1407-14648
 DATE RECEIVED: 07/25/2014

TEST METHOD: EPA 8021B

001 Site: Trip Blank Date Sampled: 7/25/14 08:30 Analysis Date: 7/31/14 W MHM

| Parameter | Result | Unit | Nelac | Qual | Parameter | Result | Unit | Nelac | Qual |
|-----------------------------|--------|------|-------|------|------------------------|--------|------|-------|------|
| Methyl-t-butyl ether (MTBE) | < 2.0 | ug/L | N | | Benzene | < 1.0 | ug/L | N | |
| Toluene | < 1.0 | ug/L | N | | Ethylbenzene | < 1.0 | ug/L | N | |
| Xylenes, Total | < 2.0 | ug/L | N | | 1,3,5-Trimethylbenzene | < 1.0 | ug/L | N | |
| 1,2,4-Trimethylbenzene | < 1.0 | ug/L | N | | Naphthalene | < 2.0 | ug/L | N | |
| Surr. 1 (Bromobenzene) | 111 | % | N | | Unidentified Peaks | 0 | | N | |

TEST METHOD: EPA 8021B

002 Site: MW-2 Date Sampled: 7/25/14 10:45 Analysis Date: 7/31/14 W MHM

| Parameter | Result | Unit | Nelac | Qual | Parameter | Result | Unit | Nelac | Qual |
|-----------------------------|--------|------|-------|------|------------------------|--------|------|-------|------|
| Methyl-t-butyl ether (MTBE) | < 2.0 | ug/L | N | | Benzene | < 1.0 | ug/L | N | |
| Toluene | < 1.0 | ug/L | N | | Ethylbenzene | < 1.0 | ug/L | N | |
| Xylenes, Total | < 2.0 | ug/L | N | | 1,3,5-Trimethylbenzene | < 1.0 | ug/L | N | |
| 1,2,4-Trimethylbenzene | < 1.0 | ug/L | N | | Naphthalene | < 2.0 | ug/L | N | |
| Surr. 1 (Bromobenzene) | 106 | % | N | | Unidentified Peaks | >10 | | N | |

TEST METHOD: EPA 8021B

003 Site: MW-3 Date Sampled: 7/25/14 11:20 Analysis Date: 7/31/14 W MHM

| Parameter | Result | Unit | Nelac | Qual | Parameter | Result | Unit | Nelac | Qual |
|-----------------------------|--------|------|-------|------|------------------------|--------|------|-------|------|
| Methyl-t-butyl ether (MTBE) | < 2.0 | ug/L | N | | Benzene | < 1.0 | ug/L | N | |
| Toluene | < 1.0 | ug/L | N | | Ethylbenzene | < 1.0 | ug/L | N | |
| Xylenes, Total | < 2.0 | ug/L | N | | 1,3,5-Trimethylbenzene | < 1.0 | ug/L | N | |
| 1,2,4-Trimethylbenzene | < 1.0 | ug/L | N | | Naphthalene | < 2.0 | ug/L | N | |
| Surr. 1 (Bromobenzene) | 104 | % | N | | Unidentified Peaks | >10 | | N | |

TEST METHOD: EPA 8021B

004 Site: MW-4 Date Sampled: 7/25/14 11:40 Analysis Date: 7/31/14 W MHM

| Parameter | Result | Unit | Nelac | Qual | Parameter | Result | Unit | Nelac | Qual |
|-----------------------------|--------|------|-------|------|------------------------|--------|------|-------|------|
| Methyl-t-butyl ether (MTBE) | 24.2 | ug/L | N | | Benzene | 15.4 | ug/L | N | |
| Toluene | 16.3 | ug/L | N | | Ethylbenzene | 120 | ug/L | N | |
| Xylenes, Total | 439 | ug/L | N | | 1,3,5-Trimethylbenzene | 27.6 | ug/L | N | |
| 1,2,4-Trimethylbenzene | 168 | ug/L | N | | Naphthalene | 54.0 | ug/L | N | |
| Surr. 1 (Bromobenzene) | 94 | % | N | | Unidentified Peaks | > 10 | | N | |

TEST METHOD: EPA 8021B

005 Site: MW-5 Date Sampled: 7/25/14 12:05 Analysis Date: 8/1/14 W SJM

| Parameter | Result | Unit | Nelac | Qual | Parameter | Result | Unit | Nelac | Qual |
|-----------------------------|--------|------|-------|------|------------------------|--------|------|-------|------|
| Methyl-t-butyl ether (MTBE) | 61.5 | ug/L | N | AN1 | Benzene | < 1.0 | ug/L | N | |
| Toluene | < 1.0 | ug/L | N | | Ethylbenzene | < 1.0 | ug/L | N | |
| Xylenes, Total | < 2.0 | ug/L | N | | 1,3,5-Trimethylbenzene | < 1.0 | ug/L | N | |
| 1,2,4-Trimethylbenzene | < 1.0 | ug/L | N | | Naphthalene | < 2.0 | ug/L | N | |
| Surr. 1 (Bromobenzene) | 100 | % | N | | Unidentified Peaks | 4 | | N | |

CLIENT: WaiteHeindel Environmental Mgt
 PROJECT: Blaise-Shoreham
 REPORT DATE: 8/5/2014

WORK ORDER: 1407-14648
 DATE RECEIVED: 07/25/2014

TEST METHOD: EPA 8021B

006 Site: MW-6 Date Sampled: 7/25/14 11:00 Analysis Date: 7/31/14 W MHM

| Parameter | Result | Unit | Nelac | Qual | Parameter | Result | Unit | Nelac | Qual |
|-----------------------------|--------|------|-------|------|------------------------|--------|------|-------|------|
| Methyl-t-butyl ether (MTBE) | < 2.0 | ug/L | N | | Benzene | < 1.0 | ug/L | N | |
| Toluene | < 1.0 | ug/L | N | | Ethylbenzene | < 1.0 | ug/L | N | |
| Xylenes, Total | < 2.0 | ug/L | N | | 1,3,5-Trimethylbenzene | < 1.0 | ug/L | N | |
| 1,2,4-Trimethylbenzene | < 1.0 | ug/L | N | | Naphthalene | < 2.0 | ug/L | N | |
| Surr. 1 (Bromobenzene) | 105 | % | N | | Unidentified Peaks | 0 | | N | |

TEST METHOD: EPA 8021B

007 Site: Sump Date Sampled: 7/25/14 12:25 Analysis Date: 7/31/14 W MHM

| Parameter | Result | Unit | Nelac | Qual | Parameter | Result | Unit | Nelac | Qual |
|-----------------------------|--------|------|-------|------|------------------------|--------|------|-------|------|
| Methyl-t-butyl ether (MTBE) | < 2.0 | ug/L | N | | Benzene | < 1.0 | ug/L | N | |
| Toluene | < 1.0 | ug/L | N | | Ethylbenzene | < 1.0 | ug/L | N | |
| Xylenes, Total | < 2.0 | ug/L | N | | 1,3,5-Trimethylbenzene | < 1.0 | ug/L | N | |
| 1,2,4-Trimethylbenzene | < 1.0 | ug/L | N | | Naphthalene | < 2.0 | ug/L | N | |
| Surr. 1 (Bromobenzene) | 107 | % | N | | Unidentified Peaks | 0 | | N | |

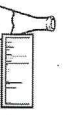
TEST METHOD: EPA 8021B

008 Site: Duplicate Date Sampled: 7/25/14 Analysis Date: 7/31/14 W MHM

| Parameter | Result | Unit | Nelac | Qual | Parameter | Result | Unit | Nelac | Qual |
|-----------------------------|--------|------|-------|------|------------------------|--------|------|-------|------|
| Methyl-t-butyl ether (MTBE) | 22.2 | ug/L | N | | Benzene | 15.5 | ug/L | N | |
| Toluene | 16.7 | ug/L | N | | Ethylbenzene | 123 | ug/L | N | |
| Xylenes, Total | 455 | ug/L | N | | 1,3,5-Trimethylbenzene | 29.4 | ug/L | N | |
| 1,2,4-Trimethylbenzene | 178 | ug/L | N | | Naphthalene | 59.3 | ug/L | N | |
| Surr. 1 (Bromobenzene) | 96 | % | N | | Unidentified Peaks | > 10 | | N | |

Report Summary of Qualifiers and Notes

AN1: Disparate results were observed between replicate sample vials submitted for analysis. The MTBE result in the replicate vial was 40.6 ug/L.



ENDYNE, INC.

CHAIN-OF-CUSTODY-RECORD

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333

Special Reporting Instructions/PO#:

NO 696635

| | | |
|--|---|---|
| Project Name: <i>Blaise-Shoreham</i> | Client/Contact Name: <i>WHEM</i> Phone #: <i>WHEM</i> Mailing Address: <i>WHEM</i> | Sampler Name: <i>Stefan Christie</i> Phone #: <i>607-342-3659</i> Billing Address: <i>WHEM</i> |
| State of Origin: VT <input checked="" type="checkbox"/> NY <input type="checkbox"/> NH <input type="checkbox"/> Other <input type="checkbox"/> | | |
| Endyne WO # <i>1407-14048</i> | | |

| Sample Location | Matrix | Sample Containers | | | Sample Preservation | Analysis Required | Field Results/Remarks | Due Date |
|-----------------|------------------|-------------------|-----------|--------|---------------------|-------------------|-----------------------|----------|
| | | No. | Type/Size | Volume | | | | |
| Trip Blank | H ₂ O | ✓ | | | HCl | 19 | 8021 (B) | |
| MW-2 | | | | 1045 | | | | |
| MW-3 | | | | 1120 | | | | |
| MW-4 | | | | 1140 | | | | |
| MW-5 | | | | 1205 | | | | |
| MW-6 | | | | 1100 | | | | |
| SUMP | | | | 1225 | | | | |
| Duplicate | | | | | | | | |

| Relinquished by: <i>Steve Christie</i> | Date/Time Received by: <i>9/25/14 @ 14:15</i> | Date/Time Received by: <i>Steve Donney</i> | Date/Time Received by: <i>9/25/14 @ 14:25</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|---|--------------|---------------|----------|---------|-----|--------------------|----------|-----------|-----------|---------------|-----|-----|----------|----------|-----------|-----|--------|-------|-------------|-----------|------------|--------------|-----------------|------------------|-------------|--|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|--------------|---------|--------------|---------------|----------|---------|-----|--------------------|----------|-----------|-----------|---------------|-----|-----|----------|----------|-----------|-----|--------|-------|-------------|-----------|------------|--------------|-----------------|------------------|-------------|--|--|--|--|--|--|--|--|--|--|
| <table border="1"> <thead> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> <th>11</th> <th>12</th> <th>13</th> <th>14</th> <th>15</th> <th>16</th> <th>17</th> <th>18</th> <th>19</th> <th>20</th> <th>21</th> <th>22</th> <th>23</th> <th>24</th> <th>25</th> <th>26</th> <th>27</th> <th>28</th> <th>29</th> <th>30</th> <th>31</th> <th>32</th> <th>33</th> <th>34</th> <th>35</th> <th>36</th> <th>37</th> <th>38</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>TKN</td> <td>Total Solids</td> <td>Sulfate</td> <td>1664 TPH/FOG</td> <td>8270 PAH Only</td> <td>Chloride</td> <td>Total P</td> <td>TSS</td> <td>Coliform (Specify)</td> <td>8015 GRO</td> <td>8081 Pest</td> <td>Ammonia N</td> <td>Total Diss. P</td> <td>TDS</td> <td>COD</td> <td>8015 DRO</td> <td>8082 PCB</td> <td>Nitrite N</td> <td>BOD</td> <td>VT PCF</td> <td>8260B</td> <td>PP13 Metals</td> <td>Nitrate N</td> <td>Alkalinity</td> <td>Conductivity</td> <td>VOC Halocarbons</td> <td>8270 B/N or Acid</td> <td>Total RCRA8</td> <td colspan="10"> Metals (Total, Diss.) Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Tl, U, V, Zn TCLP (volatiles, semi-volatiles, metals, pesticides, herbicides) Corrosivity Ignitability Reactivity Other </td> </tr> </tbody> </table> | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | pH | TKN | Total Solids | Sulfate | 1664 TPH/FOG | 8270 PAH Only | Chloride | Total P | TSS | Coliform (Specify) | 8015 GRO | 8081 Pest | Ammonia N | Total Diss. P | TDS | COD | 8015 DRO | 8082 PCB | Nitrite N | BOD | VT PCF | 8260B | PP13 Metals | Nitrate N | Alkalinity | Conductivity | VOC Halocarbons | 8270 B/N or Acid | Total RCRA8 | Metals (Total, Diss.) Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Tl, U, V, Zn TCLP (volatiles, semi-volatiles, metals, pesticides, herbicides) Corrosivity Ignitability Reactivity Other | | | | | | | | | |
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| pH | TKN | Total Solids | Sulfate | 1664 TPH/FOG | 8270 PAH Only | Chloride | Total P | TSS | Coliform (Specify) | 8015 GRO | 8081 Pest | Ammonia N | Total Diss. P | TDS | COD | 8015 DRO | 8082 PCB | Nitrite N | BOD | VT PCF | 8260B | PP13 Metals | Nitrate N | Alkalinity | Conductivity | VOC Halocarbons | 8270 B/N or Acid | Total RCRA8 | Metals (Total, Diss.) Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Tl, U, V, Zn TCLP (volatiles, semi-volatiles, metals, pesticides, herbicides) Corrosivity Ignitability Reactivity Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temp: <i>05</i> Delivery: <i>Client</i> Comment: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |