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TACO Tier 3 Demonstration

Response to Agency Comments Provided between June 30 and October 6, 2017

Equilon Enterprises LLC d/b/a Shell Oil Products US Roxana, Illinois

November 2017

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November 22, 2017

Mr. Theodore J. Dragovich, P.E.
Acting Manager, Permit Section
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Bureau of Land
1021 North Grand Avenue East
Springfield, Illinois 62794

Response to Agency Comments Provided between June 30 and October 6, 2017
TACO Demonstration
Equilon Enterprises LLC dba Shell Oil Products US
WRB Refining LP Wood River Refinery
Roxana, Illinois
1191150002 -- Madison County
ILD080012305
Log No. B-43R-CA-95

Dear Mr. Dragovich:

AECOM Technical Services, Inc. (AECOM), on behalf of Shell Oil Products US (SOPUS), is submitting this response to comments from Mr. Jim Moore of the Illinois Environmental Protection Agency (IEPA) to Mr. Kevin Dyer (SOPUS). The comments were transmitted by Mr. Moore via email between June 30, 2017 and October 6, 2017 regarding the Tiered Approach to Corrective Action Objectives (TACO) Demonstration (Part 1 – Site Characterization Summary and Part 2 – Tier 3 Proposal) submitted by SOPUS to IEPA on April 6, 2017 (the "Demonstration"). These comments were subsequent to a meeting between representatives of IEPA and SOPUS on June 29, 2017. IEPA's comments on the Demonstration were provided to SOPUS in the following emails:

June 30, 2017, 8:04 a.m.	August 1, 2017, 4:09 p.m.	August 2, 2017, 8:19 a.m.
July 7, 2017, 2:13 p.m.	August 1, 2017, 4:58 p.m.	August 2, 2017, 8:50 a.m.
July 21, 2017, 4:42 p.m.	August 1, 2017, 5:44 p.m.	August 2, 2017, 1:56 p.m.
July 27, 2017, 12:49 p.m.	August 2, 2017, 7:52 a.m.	October 6, 2017, 11:47 a.m.

SOPUS is responding to IEPA's comments from the above emails that pertain to the content of the Tier 3 submittal.

The format of this submittal (i.e., comment-response letter) was discussed in conversation between IEPA and SOPUS. IEPA's comments are provided below in *italics*, followed by the corresponding SOPUS response in regular font. IEPA's comments were extracted directly from their emails, as received, and were not modified or edited. The comments are organized chronologically according to the emails, dated as shown. For ease of reference, the comments are numbered sequentially.

June 30, 2017, 8:04 a.m. Email from IEPA (Comments 1 through 3)

IEPA Comment 1

Please prepare a table listing all the VOCs identified in 35 Ill. Admin. Code 742 and indicate which ones have been detected in the soil gas and/or groundwater. This will serve to identify the list of contaminants of concern for which remediation objectives must be developed.

SOPUS Response

Table RL-1 provides information on the volatile organic compounds (VOCs) that have been detected in groundwater and/or soil gas as part of their respective quarterly monitoring programs[1]. The groundwater and soil gas at the site are monitored for analytes presented in the *Dissolved Phase Groundwater Investigation and P-60 Free-Phase Product Delineation* Work Plan dated January 21, 2009 and subsequently approved in correspondence from IEPA dated May 12, 2009. The rational for soil gas remediation objective (RO) development and presentation of ROs is included in the response to IEPA Comment 5 below.

IEPA Comment 2

You will eventually need to develop a complete new section describing how you will monitor compliance with any soil remediation objectives which may eventually be approved for this project. As indicated, sample points will need to be biased somewhat to the more contaminated areas. Thus, it is important for you to compile and present (both graphically and in tables) the extent and distribution of the: (1) groundwater contamination beneath/near the Roxana Study Area; and (2) the levels of contaminants in the subsurface soil gas throughout the entire vadose zone. Once you have this information compiled, you will need to propose soil gas sampling locations which will be monitored to demonstrate compliance with any approved soil gas remediation objectives.

SOPUS Response

As discussed and agreed during the June 29, 2017 meeting, SOPUS is providing to IEPA, in this submittal, additional information addressing the development of the ROs. Following approval of the ROs, compliance monitoring will be addressed in a Remediation Rebound Monitoring Plan to be developed and submitted separately to the IEPA. The Remediation Rebound Monitoring Plan will address information such as sample locations, sample depths, etc.

IEPA Comment 3

Also, as discussed, you will need to change your complete sampling/analysis scheme, as field screening is not an acceptable way to verify compliance with any approved soil gas remediation objectives.

SOPUS Response

SOPUS proposed a soil gas sampling/analysis approach which included a combination of field screening and laboratory analysis. As discussed and agreed during the June 29, 2017 meeting, a revised soil gas sampling/analysis approach will be included in a Remediation Rebound Monitoring Plan to be developed and submitted separately to the IEPA.

[1] The Roxana Interim Groundwater Monitoring Program was initiated as directed by IEPA in a letter dated August 5, 2010. The groundwater data set presented in the Demonstration is 4th quarter 2010 through 4th quarter 2016. The soil gas monitoring program was initiated as directed by IEPA in a letter dated August 5, 2010. The soil gas data set presented in the Demonstration is 4th quarter 2009 through 4th quarter 2016.

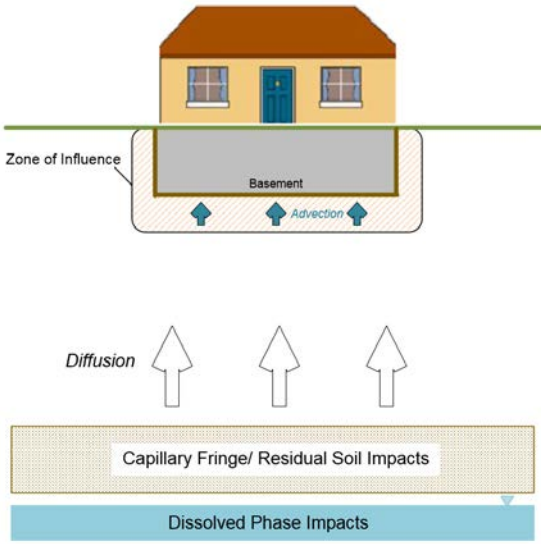
July 7, 2017, 2:13 p.m. Email from IEPA (Comments 4 and 5)

IEPA Comment 4

… [T]he RCRA Unit will look at Shell's Tier 3 submittal with an open mind and determine its validity. I imagine one of the key issues that will need to be evaluated is how much subsurface air gets into a home. The J&E model assumes 5 liters per minute flow through a crack that is 0.1 cm wide and runs around the perimeter of the building. Since air flow is mainly pressure driven, the amount of air flowing into a building with no concrete floor would be much higher than 5 liters per minute (unless studies have been done to demonstrate otherwise).

SOPUS Response

The present-day Conceptual Site Model (CSM) was described in Section 3.5, Part 1 of the Demonstration, and also is shown below.



The present-day CSM considers that vapors may arise from impacted groundwater or deeper impacted soil and be transported through the vadose zone via diffusion to the vicinity of buildings. From there, vapors are transported into the buildings via advection. The pre-SVE CSM considers vapors previously volatilized from impacted less-permeable soil layers in the shallow and intermediate zones which were remediated through operation of the SVE system.

The pressure gradient between the subsurface soil and the building is due to factors such as flue gases exiting the building during heating season, temperature differences, barometric pressure changes, and surface winds. This uppermost portion of the vadose zone where advection takes place is also referred to as the "zone of influence". The zone of influence or the pressure gradient between the building and the subsurface extends into the soil for approximately a meter, at most, in a typical soil matrix (Schumacher, et al., 2007)). Therefore, diffusion due to the concentration gradient present in the vadose zone is the dominant process except in the immediate vicinity of a building.

Vapor Intrusion (VI) models such as Johnson & Ettinger (J&E) and Little, Daisey, Nazaroff (LDN) calculate transport through the soil in areas outside the immediate vicinity of the building using Fick's Law of Diffusion. When this diffusive flux reaches the zone of influence, it is transported into the building via advection. In the J&E model, the vapor transport across the building slab assumes a vapor intrusion rate (Q_{soil}) of 5 liters per minute (L/min) based on empirical evidence from literature examining migration of tracer gases to indoor air (USEPA, 2004). The assumed volumetric flow rate considers flow through various penetrations/cracks in the foundation, including perimeter cracks. The LDN model is more

conservative than the J&E model in that it assumes that there is no limit to soil gas flow due to a slab, which is equivalent to assuming that no slab is present. As stated in the LDN paper[2], "*...it is assumed that the VOCs are swept into the building as fast as they arrive at the zone of influence*" and "*The flux of VOCs through the soil, when multiplied by the appropriate cross-sectional area of the zone of influence A, gives the mass flow of VOCs that enters the building.*"

Both diffusion and advection can limit the mass flux of the constituents of potential concern (COPCs) into a building, which in turn affects the attenuation factor (AF), i.e., the higher the COPC mass flux into the building the higher the AF. Increased advection in the zone of influence only increases the mass flux of the COPC into the building up to a certain limit, beyond which the mass flux is limited by diffusion. As such, at some advection rate the entire amount of COPC being transported from depth by diffusion will be transported into the building, and any additional advection will not result in additional COPCs in the building. This is illustrated in the figure shown below. Any changes in the Q_{soil} term from the 5 L/min default value will have only limited effects on indoor air concentrations when soil gas transport is limited by the rate of diffusion through the soil. A relatively flat line indicates that changes in the rate of vapor intrusion (Q_{soil}) have limited effects on indoor air concentrations. The effective diffusion coefficient (D_{eff}) for the Roxana modeling falls midway between the bottom blue line and the middle red line (D_{eff} = 0.006 cm^2/sec = 0.05 m^2/day). As can be seen below, both lines are essentially flat for flows above 5 L/min. Therefore, increasing the rate of vapor intrusion from 5 L/min to a higher rate would have little or no effect on the attenuation factor and hence little or no effect on indoor air concentrations.

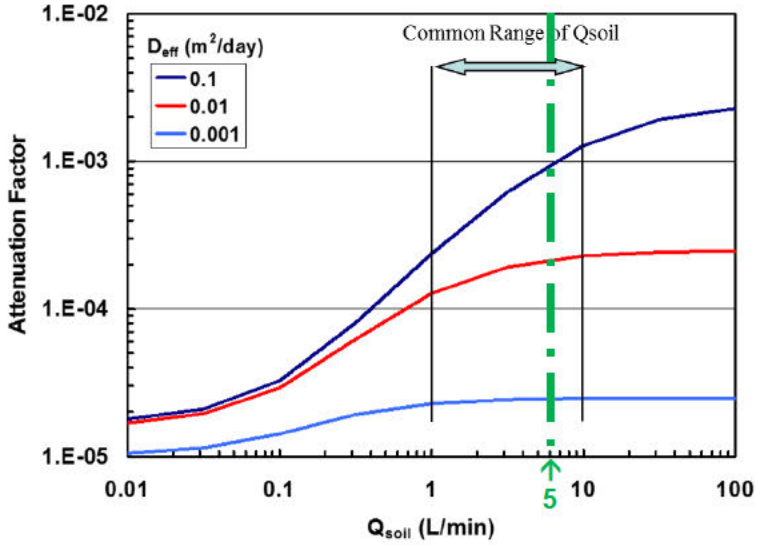


Figure courtesy of R. Ettinger (2017)

References:

Schumacher, B.A., B. Hartman, J.H. Zimmerman, D.S. Springer, R.J. Elliot, and M.C. Rigby. 2007. Results from EPA Funded Research Programs on the Importance of Purge Volume, Sample Volume, Sample Flow Rate and Temporal Variations on Soil Gas Concentrations. In: Proceedings of Vapor Intrusion: Learning from the Challenges, Air & Waste Management Association, Providence, RI, September 26 - 28, 2007.

USEPA. User's Guide for Evaluating Subsurface Vapor Intrusion Into Buildings. USEPA, OEER. February 22, 2004.

[2] Little JC, Daisey JM, and Nazaroff WW, Transport of subsurface contaminants into buildings: An exposure pathway for volatile organics, Environmental Science & Technology, vol. 26, 2058-2066, 1992

IEPA Comment 5

I hope that we will get our review completed in the next few months. However, before we can do much, we will need to complete list of contaminants that need to be of concern as well as all input parameters associated with them and what your proposed ROs are.

SOPUS Response

As described in the response to IEPA Comment 1, the determination of contaminants of potential concern and development of the ROs began with the analyte list approved by IEPA and monitored for in the Quarterly Soil Vapor Sampling program. The soil gas VOCs that are monitored at the site were subjected to the following criteria for selecting VOCs for which ROs were calculated.

1.) Has the chemical been detected as part of the approved soil gas program (per letter from IEPA dated August 5, 2010)[3]?

2a) Does the chemical have TACO default values for chemical and physical parameters[4] and toxicity values[5]?

2b) Does the chemical have chemical and physical parameter and toxicity values in the USEPA Regional Screening Level (RSL) tables[6]?

If the answer to criteria 1 and either 2a or 2b was yes, an RO was calculated for the chemical. ROs were calculated using TACO default values, where available, preferentially to RSLs (used if TACO values were not available). ROs for residential exposure were calculated for a depth of 10 feet below ground surface (bgs), based on typical basement depths (approximately 7 feet) and the number of VMP ports present at this depth. The ROs are applicable for VMP ports between 0 and 10 feet bgs.

ROs are summarized in **Table RL-2** for residential and construction worker scenarios. Supporting information is included in **Attachments 1** (LDN input parameters and indoor air calculations, residential exposure) and **2** (LDN input parameters and outdoor air calculations, construction worker exposure).

Analytical results for VMP samples collected from 1st Quarter 2015 (1Q15) through 4th Quarter 2016 (4Q16) were compared against the residential and construction worker ROs. This time frame is consistent with the information presented in Part 2 of the Demonstration. There were no exceedances of the construction worker ROs. The results of the comparison of site data to the residential ROs are presented in **Table RL-3**. Seven samples out of over 550 samples collected from depths of 10 feet bgs or less had concentrations exceeding three Tier 3 ROs: ethylbenzene (2 occurrences), naphthalene (1 occurrence), and chloroform (4 occurrences). These occurrences are considered to be outliers and not representative of typical site conditions, as described below.

<u>Ethylbenzene (RO=0.55 mg/m^3)</u>

- In 1Q15, the sample from VMP-2-5 (5 foot port) had an ethylbenzene concentration of 0.79 mg/m^3.
- In 2Q16, the sample from VMP-4-5 (5 foot port) had an ethylbenzene concentration of 0.63 mg/m^3,

These results are considered outliers based on the following information:

- In both cases, the deeper ports at each VMP location had results that were non-detect or were one to three orders of magnitude lower than what was observed in the 5 foot port. If vapors were

[3] Samples were collected from the 4th quarter 2009 through 4th quarter 2016.
[4] IAC Title 35. Section 742.Table E Default Physical and Chemical Parameters
[5] Toxicity Values for Tier 2 and Tier 3 Calculations. http://www.epa.illinois.gov/topics/cleanup-programs/taco/index
[6] https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables-june-2017

migrating from a deeper source, higher concentrations would have been observed in the deeper ports.

- When compared against data collected from 2012 through 2016, the values observed in 1Q15 and 2Q16 at VMP-2-5 and VMP-4-5, respectively, were outside of the range of values typically detected at these locations. Typical ranges of ethylbenzene observed are non-detect to 0.058 mg/m^3 and non-detect to 0.061 mg/m^3 in VMP-2 and VMP-4, respectively.
- VMP-2 and -4 are approximately 600 feet apart and there are more than three VMPs located between VMP-2 and -4 (e.g., VMP-3, -42, and -43) where results were below the RO.

Naphthalene (RO=0.05 mg/m^3)

- In 4Q15, the sample from VMP-11-8 (8 foot port) had a naphthalene concentration of 0.067 mg/m^3

This result is considered an outlier based on the following information:

- Results in deeper ports were either non-detect or detected at lower concentrations.
- Naphthalene results in surrounding VMPs (e.g., VMP-10, -13, -17) were below the RO.

Chloroform (RO=0.04 mg/m^3)

- In 1Q15, the sample from VMP-5-5 (5 foot port) had a chloroform concentration of 0.057 mg/m3
- In 3Q15, the sample from VMP-47-10 (10 foot port) had a chloroform concentration of 0.1 mg/m3.
- In 3Q16, the sample from VMP-50-10 (10 foot port) had a chloroform concentration of 0.055 mg/m3
- In 4Q16, the sample from VMP-50-10 (10 foot port) had a chloroform concentration of 0.066 mg/m^3.

These results are considered outliers based on the following information:

- Except for VMP-50, the exceedances were one-time events; results from nearby VMPs (e.g., VMP-32, -4, and -44) were below the RO.
- Results from the other seven sampling events at VMP-5 and VMP-47 (between 1Q15 and 4Q16) were below the RO. At VMP-50, the results from the shallower port (5 feet) were all non-detect, therefore below the RO.

July 21, 2017, 4:42 p.m. Email from IEPA (Comments 6 through 9)

IEPA Comment 6

Just as I suspected, your Tier 3 only takes into account diffusion and not advection, although the Little, Daisey and Nazaroff paper has equations for both diffusion and advection. You should be able to do field work to determine if there is any advection occurring.

SOPUS Response

As stated in the response to IEPA Comment 4, the CSM considers that vapors may potentially rise from impacted groundwater or deeper impacted soil and are transported through the vadose zone via diffusion to the vicinity of buildings and transported into the buildings via advection.

As noted in the LDN paper, advective transport can be an important mechanism for vapor transport through the vadose zone at certain types of sites (e.g., municipal solid-waste landfills). Our site, however, does not fall into that category. The LDN paper gives equations for three separate scenarios and these

are depicted in Figure 3 of the LDN paper. The three scenarios are: 1) subsurface transport of VOCs from a planar source such as impacted groundwater, 2) a new building set amidst a uniform source, and 3) lateral pressure driven transport of gas from a landfill. The first scenario is consistent with our CSM and as such, the LDN equations for that scenario were used in developing the Tier 3 ROs.

The empirical data from the site provides evidence that advection is not occurring in the vadose zone at depth. Based on ASTM E2993-16, *Standard Guide for Evaluating Potential Hazard as a Result of Methane in the Vadose Zone*, potential advective transport conditions exist when differential pressure (ΔP) of +2 inches of H_2O or combined methane plus carbon dioxide equal to or greater than 90% (i.e., CH_4 + CO_2 $\geq$90%) is observed.

Figure RL-1 presents plots of nine VMPs along three general transects in the Village, which present ΔP and methane plus carbon dioxide data. The data shown were collected during periods when the SVE system had either not started (June 2011) or during a period of downtime for SVE system maintenance (September 2017). The 2011 data were from VMP-21 and VMP-22. While the Interim SVE System using Internal Combustion Engines (ICE) units were operating at the time, VMP-21 and -22 were well outside of the radius of influence. These VMPs were selected because they are approximately 275 feet from the nearest extraction well, so the data are expected to depict conditions in the absence of applied vacuum. The 2017 data were obtained during a routine system maintenance shutdown and, as such, the data also reflect conditions in the absence of active soil vapor extraction.

Each of the charts shown in **Figure RL-1** show ΔP less than 2 inches of H_2O and methane plus carbon dioxide is less than 90%, further supporting the position that advection is not significant in the absence of soil vapor extraction.

IEPA Comment 7

Overall, what is your game plan for moving forward. I want to first point out that I am very disappointed that the results of your J&E 1 and 2 calculations are buried in Appendix 2-B, Table 2. Due to the fact that LDN calculates an attenuation factor, the J&E 1&2 calculation result, as well as the calculated attenuation factor should have been presented in Tables 2-1 and 2-2 since it was those numbers that were used to calculate your proposed RO.

SOPUS Response

As discussed, SOPUS' goal moving forward is to continue to work with the IEPA, as we have over the course of the investigative and remedial work performed to date, to achieve appropriate remediation objectives for this site. Accordingly, SOPUS presents the following objectives:

i) Discontinue operation of the SVE system: Existing monitoring data indicate the shallow (0 to 10 feet bgs) soil gas concentrations are consistently below ROs, which supports discontinuing operation of the SVE system at this time.

ii) Initiate a rebound monitoring program: A Remediation Rebound Monitoring Plan (to be submitted as discussed following approval of ROs) to determine if soil gas concentrations remain at or below approved ROs during the monitoring period when the SVE system is not in operation. The proposed Remediation Rebound Monitoring Plan, which will be developed and submitted to IEPA for approval, will include triggers requiring the re-start of the SVE system if predefined criteria are not met.

In calculating the proposed ROs, efforts were made to show each step of calculation, what inputs were used, and what assumptions were made. The TACO J&E 1&2 calculations are shown in Appendix 2-B, Table 2 of Part 2 of the Demonstration and provide the acceptable indoor air concentration for each compound of interest. The calculations used standard residential exposure parameters available in TACO (24 hours/day, 350 days/year, 30 years).

The spreadsheet used in the LDN calculations is shown in Appendix 2-B, Table 1 (Part 2). The indoor air ROs discussed in the above paragraph are shown in the 1st row of this spreadsheet. Both spreadsheets were used to calculate an LDN screening level.

IEPA Comment 8

We probably need to develop some type of step-wise process as we move forward.

SOPUS Response

As agreed during the June 29, 2017 meeting, the first step is proposing and obtaining concurrence with the use of an Alternative Model and establishing ROs. The second step is proposing the monitoring approach during the shutdown/demonstration period. SOPUS would appreciate the opportunity to have discussions with IEPA during the review of the Alternative Model, proposed ROs and future submittals, including the Remediation Rebound Monitoring Plan.

IEPA Comment 9

However, I want to re-iterate the fact about diffusion vs. advection. Comparing results alone is not the key—the key is using science and mathematics to properly simulate what goes on in the real world and the equations will then produce results that are protective of human health and the environment.

SOPUS Response

The effect of diffusion and advection is discussed above in response to IEPA Comments 4 and 6.
SOPUS supports the use of science and mathematics to properly simulate real-world processes and to produce results that are protective of human health and the environment. SOPUS has utilized this approach throughout the investigative and remedial work completed to date including the development of the Demonstration. The key steps were to:

i) build a robust and representative conceptual site model that incorporates the important VOC transport processes and is validated by site data;
ii) select a model for calculating ROs that is acceptable to IEPA; and
iii) select appropriate inputs to that model.

As such, the LDN model was selected as an appropriate model or tool for this purpose[7], given the attributes of the model and the requirements for alternative models under TACO (information provided in the *Supplement to TACO Demonstration*, July 14, 2017).

The CSM is summarized above in response to Comment 4 and was presented in Section 3.5 of the Demonstration, Part 1 submittal.

July 27, 2017, 12:49 p.m. Email from IEPA (Comments 10 through 21)

Note: the comments in this email were included in an attachment.

IEPA Comment 10

Identify which option under Subpart I pursuing
-742.900 is just an overview
-742.905 thru 742.935 identify the various options that can be used
Comment: it would seem as though 742.935(c) would be applicable, as well as 742.910

[7] The IEPA LUST and SRP programs currently recognize LDN as an acceptable model for this proposed use, i.e., to avoid the need to demonstrate "full concrete" requirements (*Environmental Compliance in Illinois Land Basics* seminar materials, August 22, 2017).

SOPUS Response

Yes, we are pursuing options under Subpart I 742.935(c) as well as 742.910. The other relevant Subpart I (Tier 3) regulations are presented in the attached **Table RL-4,** which includes a discussion on how the Demonstration satisfies the requirements.

IEPA Comment 11

Identify the information which must be provided in a Tier 3 evaluation, as set forth in 742.905 thru 742.935

SOPUS Response

The relevant regulations are presented in the attached **Table RL-4,** which includes a discussion on how the Demonstration satisfies the requirements.

IEPA Comment 12

Identify where information is provided which addresses each informational requirement set forth in Item 2 above.

Note: The reference to "Item 2" in this comment from IEPA refers to the second item presented in the attachment to a July 27, 2017 email from IEPA. The item referenced in this comment was presented in IEPA Comment 11.

SOPUS Response

The relevant regulations are presented in the attached **Table RL-4,** which includes a discussion on how the Demonstration satisfies the requirements.

IEPA Comment 13

Provide overview of project and current situation.

SOPUS Response

An overview of the project chronology in presented in Section 1 of the Demonstration, Part 1. The current conditions are described in Sections 3 and 4 of the Demonstration, Part 1.

IEPA Comment 14

Provide any other site-specific physical information needed to meet the informational requirements identified in Item 2 above.

Note: The reference to "Item 2" in this comment from IEPA refers to the second item presented in the attachment to a July 27, 2017 email from IEPA. The item referenced in this comment was presented in IEPA Comment 11.

SOPUS Response

The primary site-specific information used in the calculation of RO's was the list of specific chemicals detected at the site. For other inputs, generic default values were used and are considered to be appropriate for the site while still being conservative. The hierarchy for selecting inputs was to:

i) use IEPA values in the TACO guidance where available;
ii) use USEPA values for compounds or parameters not addressed in TACO; and
iii) use other State guidance (e.g., Virginia Department of Environmental Quality [DEQ] for construction worker in a trench scenario) if applicable IEPA or USEPA values were not available.

IEPA Comment 15

Identify all contaminants of concern for the Tier 3 evaluation---this would be all contaminants from 742, Subpart J that have been detected in the groundwater or the soil vapor --will need to develop Tier 3 RO for each contaminant

SOPUS Response

The development of the list of contaminants of potential concern for the Demonstration is discussed in the response to IEPA Comment 5.

IEPA Comment 16

Identity and discuss model to be used. Must provide justification that model appropriately represents the situation in the village. One of the biggest things that will need to be addressed is contaminant movement via advection. 35 Ill. Admin. Code 742 requires that advection be taken into account if the contamination of concern is within 5' of a building or man-made pathway.

SOPUS Response

The LDN model is identified and discussed in Section 2 of the Demonstration, Part 2 as well as other responses in this submittal. The LDN model assumes that all vapors that diffuse to the area near the building foundation are swept into the building by means of advection. This is equivalent to including advection across the building envelope. Accordingly, advection is included in our CSM and is accounted for in the modeling, where the entire diffusive flux is assumed to enter the building.

IEPA Comment 17

If you get to this point, you should then provide values for all needed input parameters into the model. This includes chemical-specific information and site-specific information. The source of all input values must be provided as well as justification for the use of these values in the model.

SOPUS Response

The input values used in the LDN calculations are presented within the spreadsheets attached hereto as **Attachments 1** and **2** of this submittal and Appendix 2-B, Table 1 in Part 2 of the Demonstration. These values were used to calculate an LDN screening level using the information shown, such as Henry's Law constant, diffusivity in air, temperature, total porosity, water-filled porosity, air-filled porosity, building dimensions, and building ventilation in air changes per hour. As indicated in the Demonstration (Section 2.1.2 of Part 2), TACO default values were used where available. Chemical property information was taken from TACO, Appendix C, Table E. Additional chemical property data were taken from the USEPA Regional Screening Level tables and those values are shown in a different color font in Appendix 2-B, Table 1 and Table 3 in the Demonstration, Part 2. As part of this response effort, ROs were developed for additional chemicals as described in the response to IEPA Comment 5.

IEPA Comment 18

Provide results of J&E Equations 1 and 2 from 35 Ill. Admin. Code 742. All modeling must show that these results will not be exceeded in a building.

SOPUS Response

The results of J&E Equations 1 and 2 from 35 III. Admin. Code 742 are shown in **Attachment 1** of this submittal and in Appendix 2-B, Table 2 of Part 2 of the Demonstration, and provide the acceptable indoor air concentration for each compound of interest. The LDN modeling was used to show that the indoor air ROs would not be exceeded. If new chemicals are added to the list, this table will be updated.

IEPA Comment 19

Provide the results of the intermediate and final calculations supporting proposed Tier 3 objectives.

SOPUS Response

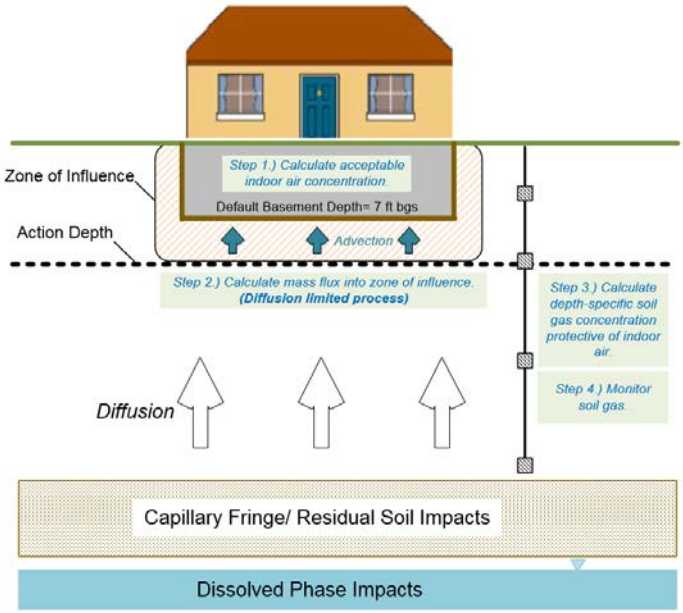
Calculations are shown in **Attachments 1** and **2** of this submittal and in Section 2 of the Demonstration, Part 2 and are presented in the Excel spreadsheet (see Appendix 2-B, Tables 1, 2, 3, and 4 [Part 2]).

IEPA Comment 20

Make final recommendations and conclusions regarding the proposed Tier 3 ROs. Discuss what the values mean and the scenario under which they were developed. Provide an evaluation of these values demonstrating that these values will be protective of human health.

SOPUS Response

This submittal contains proposed Tier 3 ROs for each chemical of potential concern (COPC) in soil gas at 10 feet bgs. This depth was selected because it provides the clearest indication of potential vapor intrusion before vapors would reach a standard basement depth (approximately 7 feet bgs). This depth also corresponds to the vast vapor monitoring point network that exists at the site and was approved by the IEPA. The RO values, combined with other criteria that will be proposed to IEPA in a Remediation Rebound Monitoring Plan will be used to guide specific actions to be taken should the ROs be exceeded in VMPs at 10 feet bgs. The ROs were developed based on acceptable indoor air values, combined with conservative assumptions for vapor transport, vapor intrusion rate, and building ventilation. Therefore, the soil gas ROs are protective of human health. The present-day CSM and the steps for RO development are shown below.



IEPA Comment 21

Need to develop process for demonstrating compliance with any approved Tier 3 ROs—we will deal with that at a later date.

SOPUS Response

As discussed and agreed during the June 29, 2017 meeting, SOPUS is providing additional information to the IEPA addressing the development of the remediation objectives as part of this submittal. Following

approval of the ROs, compliance monitoring will be addressed in a Remediation Rebound Monitoring Plan to be developed and submitted separately.

August 1, 2017, 4:09 p.m. Email from IEPA (Comments 22 through 23)

IEPA Comment 22

From what I can tell, you are also pushing the envelope (and making it bulge in the last sentence in the first paragraph of Section 2.1.1.2 states "The entire flux of VOC arriving at the zone of influence near the basement floor is assumed to be swept into the building via advection." I don't see anywhere in the LDN paper provided which supports this statement. Rather, the second full paragraph of the "Transport Models" portion of the LDN paper indicates the equation you use is clearly the result of diffusion into the building.

SOPUS Response

The LDN paper gives equations for three separate scenarios and these are depicted in Figure 3 of the LDN paper. The three scenarios are: 1) subsurface transport of VOCs from a planar source such as impacted groundwater, 2) a new building set amidst a uniform source, and 3) lateral pressure driven transport of gas from a landfill. The first scenario is consistent with our CSM and the LDN equations for that scenario are what were used in developing the Tier 3 ROs.

The LDN paper states, "*[t]he three transport models described above all assume that the entire flux of VOC arriving at the zone of influence is swept into the building*." See LDN Paper, page 2,064. The LDN Paper further provides "…*it is assumed that the VOCs are swept into the building as fast as they arrive at the zone of influence.*" See LDN Paper, page 2,061.

Therefore, the LDN scenario we employed involves both diffusion (from the source of the vapors to the vicinity of the buildings) and advection (in the immediate vicinity of the building), with diffusion being the overall, rate-limiting step. This was additionally discussed in the response to IEPA Comment 6.

IEPA Comment 23

I guess to summarize, we cannot base our decision on a series of meetings and phone conversations—we need to have something cast in stone in front of us. We need to develop a detailed administrative record which clearly documents what is proposed and what the results of our review is. Finally, I think I forgot to reiterate the fact that Part 1 of your submittal did not contain any groundwater quality information although it is the groundwater, for the most part, that is the source of the contaminated soil vapors (I think I pointed that out a few e-mails ago).

SOPUS Response

Groundwater is generally observed from approximately 30 feet bgs in the southern portion (Public Works Yard) of the Investigation Area[8] to approximately 40 feet bgs in the portion of the Investigation Area located north of 8th Street. The shallower depth to groundwater within the southern portion of the Investigation Area is due to the ground surface being at a lower elevation than the majority of the Investigation Area located north of 8th Street.

The extent of groundwater contamination within the Investigation Area has been delineated as presented in the *"Demonstration to Verify the Extent of Groundwater Contamination Has Been Delineated, Roxana, Illinois"* letter to IEPA dated April 16, 2015. The groundwater delineation presented in this demonstration

[8] The Investigation Area is defined as the Village of Roxana in the area generally bounded by the alley north of East 1st Street (1st Street), the Roxana Public Works Yard, Illinois Route 111 (a/k/a South Central Avenue), and the property boundary ("West Fenceline") of the WRB Refining, LP (WRB) Wood River Refinery (WRR).

letter was approved by IEPA in a letter dated February 23, 2016. The delineated extent of groundwater impact exceeding Class I groundwater quality standards is provided in **Figure RL-2**.

In addition, groundwater flow and impacts within the Investigation Area are proposed to be managed under a Groundwater Management Zone[9] which consists of pumping and treating groundwater from a network of groundwater depression wells located on the North and Main Properties of the Wood River Refinery (WRR). The groundwater pumping creates a broad cone of depression with hydraulic gradients, and subsequently groundwater flow, directed in an easterly direction from the Village of Roxana toward the interior of the North Property.

A summary of chemicals detected from 3rd Quarter 2014 (3Q14) through 2nd Quarter 2017 (2Q17) is provided in **Table RL-5**. Note that this table was previously included in the July 14, 2017 submittal[10]. In addition, an isoconcentration map showing benzene concentrations in groundwater for the second quarter 2017 is provided in **Figure RL-3**.

August 1, 2017, 5:44 p.m. Email from IEPA (Comments 24 through 28)

IEPA Comment 24

There should have been a cross section provided along the north side of the study area and along the western side of the study area.

SOPUS Response

Additional north-south and west-east trending geologic cross-sections are provided as requested. Revised versions of the cross-sections originally submitted with the Demonstration and the additional geologic cross-sections are presented in **Figures RL-4** through **RL-8**. Note that the cover sheet for the figures includes cross-reference information, as this submittal includes revisions to previously submitted Tier 3 figures and new figures prepared for this submittal.

IEPA Comment 25

All of the cross sections should have depicted the location of the borings, etc. from which they were developed. With all the borings that have been drilled, there is no reason to title these cross sections "Generalized Geology Cross Sections."

SOPUS Response

Geologic cross-sections depicting boring locations are provided as **Figures RL-4** through **RL-8**.

IEPA Comment 26

The following statements in Section 2.1.2 are interesting to note: "The clay is primarily a low to medium plastic silty clay. Where present, the clay generally extends from the base of the fill to as deep as approximately 25 feet bgs."

a. According to the cross-sections, this layer is only present in the far southwest corner of the study area.

b. Generalized cross section C-C' shows the clay to be about 11 or 12 feet thick in the far southwest corner of the Study Area. I am not sure where the 25' number came from.

SOPUS Response

We concur that the clay was depicted to be approximately 11 feet thick on cross-section C-C' provided in the Demonstration; the clay was observed from the base of the fill (approximately 14 feet bgs) to a depth of approximately 25 feet bgs.

[9] The proposed GMZ application was submitted to IEPA on May 19, 2016 and is currently under review.
[10] The July 14, 2017 submittal contained information requested by IEPA during a June 29, 2017 meeting with SOPUS.

Subsurface conditions found elsewhere beneath the Investigation Area typically include fill underlain by sand containing interbedded and non-contiguous layers of clay and silt of varying thickness and lateral extent.

Subsurface conditions within the Investigation Area and are provided on **Figures RL-4** through **RL-8**.

IEPA Comment 27

c. Looking at the cross sections, I would hope that you used sand as the soil present in the zone you modeled in Part 2.
(1) No source is given for the theta-a and theta-w values used (although I see they are default TACO numbers).
(2) Appendix 2-B, Table 1 contains something called the "Millington-Quirk Relationship." However, the only place I see this relationship mentioned is in the LDN paper—it should have been defined in your evaluation—I also believe that the equation used is also one used in the RBCA and possibly SSL equations.

SOPUS Response

All three theta (Φ) or porosity values are taken directly from TACO Appendix C Table M and are referenced as such in Appendix 2-B Table 1 and Table 2.

There is clay fill present near the ground surface and silts and clays in the vadose zone sands (refer to **Figures RL-4** through **RL-8**), therefore the TACO default values are a better representation of the site than assuming only sand is present (TACO default values take into consideration different soil types).

The Millington-Quirk model is used to calculate the effective diffusivity, or effective diffusion coefficient, in media containing both water and air, based on soil porosity and a chemical's diffusion coefficient in air. Effective diffusivity is one of the input parameters for the LDN model. By using Millington-Quirk, it is possible to arrive at a generalized relationship between the porosity and the cross-sectional area controlling flow in a porous material (Millington and Quirk, 1960). The Millington-Quirk relationship is presented as Equation 4 in the LDN paper. In TACO, Equation R6 in Appendix C, Table C, the Millington-Quirk equation also has an additional term which addresses soil water-filled porosity. This is presented in the "Comment" column associated with the effective diffusivity parameter in Exhibit 2-6 (Part 2). The same equation appears as Equation 11 in the 2004 USEPA User's Guide for Evaluating Subsurface VI.

Reference: R.J. Millington and J.P. Quirk (Millington and Quirk, 1960) Departments of Agronomy and Agricultural Chemistry, Waite Institute, University of Adelaide. https://deq.utah.gov/businesses/E/EnSolutions/depleteduranium/performassess/complianceport/docs/2014/07Jul/supinfo/appreferences/Millington%20and%20Quirk%201961.pdf

IEPA Comment 28

As previously indicated, there is no information regarding groundwater quality beneath the study area, although this is the primary source of the contaminated soil vapors.

SOPUS Response

Groundwater quality information has been provided in response to IEPA Comment 23.

August 2, 2017, 7:52 a.m. Email from IEPA (Comments 29 through 34)

IEPA Comment 29

We really have no way to store information on disks. This and the fact that it is difficult to review information on a disk requires that hard copies of the information in the appendices be provided.

SOPUS Response

Paper copies (5 sets) of the Part 1 Demonstration Appendices are included with this submittal. Additional copies can be furnished upon request.

IEPA Comment 30

The information in Figures 3-1 and 3-2 is purely qualitative in nature and not truly representative of the contamination in the soil. The results of actual analyses conducted in the laboratory for the various constituents of concern should have been provided. Also it must be noted that two cross sections are not adequate to represent the area—there should be at least 2 north-south and four east-west.

SOPUS Response

Cross-Sections Figures 3-1 and 3-2 of the Demonstration, Part 1, depict Photoionization Detector (PID) soil headspace readings and total benzene, toluene, ethylbenzene, and xylenes (BTEX) analytical results based on C Tech Environmental Visualization Software (EVS) modeling. White areas on these figures did not indicate lack of information, as questioned by IEPA in Comment 35. The white areas indicated modeled values less than or equal to the lowest value shown on the corresponding concentration scale presented on each figure.

For clarity, the shading scheme of these figures has been revised, and additional figures have been developed for this response letter from that presented in the Demonstration, Part 1. Figure 3-1 of the Demonstration (**Figures RL-9** and **RL-11** submitted with this response) depict the PID headspace values between <1 ppm to 10 ppm as the lightest shade of purple. PID headspace values within this range were formerly shown as white. Figure 3-2 of the Demonstration (**Figures RL-14** and **RL-16** submitted with this response) depict BTEX concentration in soil analytical results <0.1 mg/kg as the lightest shade of blue. BTEX concentrations in soil within this range were formerly shown as white.

The cross-section figures are now presented as “fence diagrams” in which the cross-sectional traces are drawn directly through individual borings, as opposed to being projected onto a best fit trace. The cross-section figures were also amended to show the boring locations used to create the PID headspace and BTEX concentration in soil EVS models. PID headspace readings and total BTEX in soil concentrations within these borings are also shown on the cross-sections at the depth corresponding to sample collection. At some locations, multiple soil borings were located in very close proximity to each other and only one is shown on the cross-sections. In these instances, the most representative boring with regards to geology, PID headspace, and BTEX concentration in soil is shown on the cross-sections.

One additional north-south trending cross-section (**Figure RL-9**) and three additional west-east trending cross-sections (**Figures RL-10**, **RL-12**, and **RL-13**) showing EVS modeling results of PID headspace readings were developed as requested and are included in this response. One additional north-south trending cross-section (**Figure RL-14**) and three additional west-east trending cross-sections (**Figures RL-15, RL-17,** and **RL-18**) showing total BTEX concentrations in soil were also developed as requested and are included. These additional figures are shaded as discussed above and show the borings used to construct the EVS models. PID and total BTEX in soil results from borings located on or adjacent to each respective cross-sectional trace are also provided.

Additional cross-sections showing only benzene concentrations in soil samples were also developed and are provided as **Figures RL-19** through **RL-23**. Cross-sections depicting benzene concentrations use the same borings and cross-sectional traces as those used for the BTEX cross-sections. These additional

figures are shaded in a manner consistent to what is discussed above and show the borings used to construct the EVS models

IEPA Comment 31

Section 3.2 in no way describes the extent of soil contamination present in the study area.

SOPUS Response

Section 3.2 of the Demonstration was intended to provide an overview of the extent of soil contamination in the Investigation Area. Given that data have been collected from approximately 179 soil borings, 42 Cone Penetration Testing (CPT)/ Rapid Optical Screening Tool (ROST) borings, and nearly 400 soil analytical samples over more than 10 years, we attempted to integrate and present the information in a concise, readable format.

The vertical extents of pre-SVE system impacts in soil are depicted on **Figure RL-9** through **Figure RL-23**. EVS software was used to model soil PID headspace[11] readings, BTEX analytical results, and benzene analytical results for soil samples collected within the Investigation Area. PID readings as well as BTEX and benzene sample results collected from borings used to construct the cross-sectional traces are presented at the depth the headspace reading or soil sample was collected. As can be seen on the cross-sections, PID headspace, BTEX and benzene soil sample results in the borings correlate with the EVS models showing pre-SVE soil impact in the Investigation Area. PID headspace readings, BTEX concentrations, and benzene concentrations in soil indicated the relatively greater level of pre-SVE system impact to be located in the eastern portion of the Investigation Area along Chaffer Avenue, primarily from Third Street south to Seventh Street (**Figures RL-9, RL-14,** and **RL-19** cross-section A-A' and **Figures RL-13, RL-18,** and **RL-23** cross-section F-F').

BTEX soil gas concentrations in the vadose zone are indicative of residual petroleum hydrocarbons in the soil matrix and as such, can provide an approximation of the extent of pre-SVE soil impact. A lateral representation of the extents of total BTEX in soil gas laboratory results at intervals of 5-, 10-, 20-, and 30-feet bgs are provided in **Figure RL-24** through **Figure RL-27**. These figures present EVS modeling results of vadose zone soil gas samples between 2nd Quarter 2011 (2Q11) and 4th Quarter 2016 (4Q16). As can be seen in **Figure RL-24** through **Figure RL-27,** BTEX soil gas concentrations have decreased in lateral extent and concentration following start-up of the SVE System.

IEPA Comment 32

There is no discussion in this part about the issues that have occurred around ROST 4.

SOPUS Response

ROST-4-PZ was a ¾-inch diameter piezometer, screened from a depth of approximately 38 to 48 feet bgs and located at the intersection of 3rd Street and Chaffer Avenue. LNAPL was first observed in this piezometer on January 31, 2011 when gauged as part of the 1st Quarter 2011 (1Q11) groundwater sampling event.

ROST-4-PZ was then gauged weekly in conjunction with monitoring of site wells to confirm groundwater gradient control. During those gauging events LNAPL measurements ranged from not observed to 0.04 feet. LNAPL was last observed in piezometer ROST-4-PZ on March 21, 2011.

Piezometer ROST-4-PZ was replaced with a 2-inch monitoring well on March 30, 2011. In an effort to assess the presence and/or extent of LNAPL in the vicinity of ROST-4-PZ, and the horizontal and vertical

[11] PID headspace readings were collected during installation of borings by placing a portion of the soil from each sampling interval into a plastic, zip-lock type bag. After a period of time had elapsed the probe of the PID was inserted into the plastic bag to measure the concentration of VOCs within the headspace of bag. PID headspace readings were then recorded on the soil boring log at the depth from which the sample was collected.

extent of contamination, seven additional monitoring wells (ROST-4-PZ-A, ROST-4-PZ-B, ROST-4-PZ-C, ROST-4-PZ-D, ROST-4-PZ-E, ROST-4-PZ-F and ROST-4-PZ-G) were installed north (A, B), west (C, D), and south (E, F, G) of ROST-4-PZ.

Several VOCs and SVOCs were detected in groundwater samples from the ROST-4-PZ wells, some at concentrations exceeding Class I groundwater standards. Following installation of the delineation wells, LNAPL was observed in ROST-4-PZ(E). In an effort to assess the rate of LNAPL recharge, an LNAPL bail-down test was initiated on April 20, 2011 within this well. The initial LNAPL thickness prior to bail-down was 1.05 feet. Following removal of the LNAPL, the well was gauged at regular intervals to determine the recharge rate of the NAPL. Recharge of LNAPL was not observed and the bail-down test was stopped. Regular gauging of the ROST-4-PZ wells was performed following conclusion of the bail-down test. This gauging indicated intermittent presence of LNAPL in seven wells: ROST-4-PZ, ROST-4-PZ(B), ROST-4-PZ(C), ROST-4-PZ(D), ROST-4-PZ(E), ROST-4-PZ(F), and ROST-4-PZ(G). LNAPL in these wells was observed at thicknesses ranging from 0.01 feet to 1.24 feet between January 2011 and October 2015. The greatest thickness of LNAPL was observed within ROST-4-PZ(E) on March 5, 2012. The last occurrence of LNAPL was within wells ROST-4-PZ(D) and ROST-4-PZ(E) in October 2015. LNAPL thickness in each well was measured to be 0.01 foot at that time. Whenever LNAPL was observed at a thickness greater than 0.1 feet, it was removed from the well.

As discussed in the December 5, 2014 letter to IEPA requesting to reduce the frequency of gauging, the presence of LNAPL in ROST-4-PZ wells is sporadic and related to groundwater levels. LNAPL has historically been observed when water levels are decreasing in the wells and at a level below the top of screen.

Additional details regarding the delineation efforts performed in the vicinity of ROST-4-PZ are provided in the *ROST-4-PZ Delineation and Sampling Report* dated September 2011. Monitoring activities in the former ROST-4-PZ area continued as directed by IEPA's response letter dated March 14, 2012. However, in a letter dated August 2, 2017, IEPA agreed to a proposal from SOPUS to reduce gauging to quarterly for the Roxana Interim Monitoring Program.

IEPA Comment 33

There is no discussion of the presence of free product in the study area.

SOPUS Response

The presence of LNAPL within the Village is monitored during quarterly groundwater gauging events and reported in the associated reports. As discussed in the response to IEPA Comment 32, LNAPL has been sporadically observed within the ROST-4 monitoring wells at thicknesses ranging from 0.01 feet to 1.24 feet between January 2011 and October 2015. LNAPL has not been observed in the ROST-4 monitoring wells since October 2015.

IEPA Comment 34

There is no discussion of the contamination present within the top ten feet of the soil column in the study area. This contamination would be a source of contaminated soil vapors not taken into account in the LDN model.

SOPUS Response

Soil impacts were discussed in the response to IEPA Comment 31. As stated in the response to IEPA Comment 4, per the present-day CSM, vapors may rise from impacted groundwater or impacted deeper soils and be transported through the vadose zone via diffusion to the vicinity of buildings. Based on pre-SVE data, concentrations of hydrocarbons in soil vapor in upper 10 feet of the Investigation Area have largely been removed through the over 5 years of SVE operation (**Figures RL-24** and **RL-25**). In particular, the more recent soil vapor data from the upper 10 feet show low and/or non-detect

concentrations which suggest the source of soil gas in this interval has been removed. This is consistent with the present-day CSM and LDN modeling upon which it is based.

Nonetheless, if sources of vapors are still present in the shallow soil, these sources will be detected in the monitoring performed as part of the Remediation Rebound Monitoring Plan that will be submitted for IEPA review and approval. If soil gas in the shallow zone is discovered, our CSM will be updated.

August 2, 2017, 8:19 a.m. Email from IEPA (Comment 35)

IEPA Comment 35

I made a mistake in my comment about Figures 3-1 and 3-2. I assumed they contained one cross-section each and both were for PID readings. However, I see that Figure 3-2 is actually benzene values in soil. However, Figure 3-2 is also qualitative in nature and presents information on a logarithmic basis. The actual boing locations should have been provided in the cross sections, as well as the actual concentrations. With that information presented, you could have done the graphing that was provided. For example, Figure 2 shows a lot of white between the alley between 1st and Second Stree and Third Street—is that due to the lack of information? Similarly, in the west-east cross section, there is a lot of white shown—is that because no soil samples have been taken in the area.

SOPUS Response

See response to IEPA Comment 30.

August 2, 2017, 8:50 a.m. Email from IEPA (Comment 36)

IEPA Comment 36

I guess the bottom line on my comments regarding Part 1 can for the most part, be summed up by indicating that 35 Ill. Admin. Code 742.120 requires that characterization of the extent and concentrations of contamination at a site must be determined before beginning development of remediation objectives. As such, your Part 1 need to fully and completely describe the extent and concentrations of contamination in the study area.

SOPUS Response

The extent and concentrations of contamination in the Investigation Area have been determined through numerous investigative and monitoring efforts over the past approximately 10 years, including the following sample counts for testing (collected between 2008 and 3rd quarter 2017):

Soil: 385 samples
Soil Gas: 4,693 samples
Soil Gas Field Screening: 23,349 samples
Groundwater: 1,220 samples
Indoor Air: 477 samples

The results of these investigative and monitoring efforts were included in the respective investigative and monitoring reports. This information has been summarized in Part 1 of the Demonstration, the Supplementary information provided July 14, 2017, and this submittal.

If you have any questions concerning this response, or believe we did not adequately address your comments, please contact Kevin Dyer, SOPUS Senior Principal Program Manager, at (618) 288-7237 or kevin.dyer@shell.com, or Bob Billman, AECOM, at (314) 743-4108 or bob.billman@aecom.com.

AECOM

Sincerely,
AECOM, on behalf of Shell Oil Products US

Robert B. Billman, P.G.
Senior Project Manager

Robert E. Mooshegian, STS
Senior Program Manager

encl: RCRA Corrective Action Certification Form

Tables:

RL-1	Statistics for Quarterly Groundwater or Soil Gas Monitoring Program
RL-2	Proposed ROs for Soil Gas
RL-3	Residential RO Exceedances for Soil Gas 1Q15 - 4Q16
RL-4	Matrix of Applicable Regulations
RL-5	Summary of Groundwater Monitoring Well Analytical Detections and Exceedances

Figures:

RL-1	Characteristics of Advection
RL-2	1Q14 Through 1Q15 Groundwater Monitoring Well Analytical Exceedances and Delineation
RL-3	2Q17 Dissolved Phase Benzene Concentrations in Groundwater
RL-4	Geologic Cross Section A-A' (North to South)
RL-5	Geologic Cross Section B-B' (West to East)
RL-6	Geologic Cross Section C-C' (West to East)
RL-7	Geologic Cross Section D-D' (West to East)
RL-8	Geologic Cross Section E-E' (North to South)
RL-9	PID Concentration in Soil Pre-SVE Cross Sections A-A' and B-B' (North to South)
RL-10	PID Concentration in Soil Pre-SVE Cross Section C-C' (West to East)
RL-11	PID Concentration in Soil Pre-SVE Cross Section D-D' (West to East)
RL-12	PID Concentration in Soil Pre-SVE Cross Section E-E' (West to East)
RL-13	PID Concentration in Soil Pre-SVE Cross Section F-F' (West to East)
RL-14	BTEX Concentration in Soil Pre-SVE Cross Sections A-A' and B-B' (North to South)
RL-15	BTEX Concentration in Soil Pre-SVE Cross Section C-C' (West to East)
RL-16	BTEX Concentration in Soil Pre-SVE Cross Section D-D' (West to East)
RL-17	BTEX Concentration in Soil Pre-SVE Cross Section E-E' (West to East)
RL-18	BTEX Concentration in Soil Pre-SVE Cross Section F-F' (West to East)
RL-19	Benzene Concentration in Soil Pre-SVE Cross Sections A-A' and B-B' (North to South)
RL-20	Benzene Concentration in Soil Pre-SVE Cross Section C-C' (West to East)
RL-21	Benzene Concentration in Soil Pre-SVE Cross Section D-D' (West to East)
RL-22	Benzene Concentration in Soil Pre-SVE Cross Section E-E' (West to East)
RL-23	Benzene Concentration in Soil Pre-SVE Cross Section F-F' (West to East)
RL-24	BTEX Concentration in Soil Gas Over Time (5 feet bgs)
RL-25	BTEX Concentration in Soil Gas Over Time (10 feet bgs)
RL-26	BTEX Concentration in Soil Gas Over Time (20 feet bgs)
RL-27	BTEX Concentration in Soil Gas Over Time (30 feet bgs)

Attachments:

Attachment 1:	Appendix 2-B, Table 1	Little, Daisey, Nazaroff Model Input Parameters and Calculations (Residential)
	Appendix 2-B, Table 2	Indoor Air Calculations (Residential)
Attachment 2:	Appendix 2-B, Table 3	Little, Daisey, Nazaroff Model Input Parameter and Calculations (Construction Worker)
	Appendix 2-B, Table 4	Industrial Air Calculations (Construction Worker)

Disc with Attachments 1 and 2 (Appendix 2-B Tables) Excel Files
Tier 3 Part 1 Appendices

cc: Kevin Dyer, SOPUS
Eric Petersen, P66
Jim Moore, IEPA
Amy Boley, IEPA
Gina Search, IEPA
Shannon Haney, Greensfelder, Hemker & Gale, P.C.
Project File
Repositories (Roxana Public L brary, website)

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

ILLINOIS EPA RCRA CORRECTIVE ACTION CERTIFICATION

This certification must accompany any document submitted to Illinois EPA in accordance with the corrective action requirements set forth in a facility's RCRA permit. The original and two copies of all documents submitted must be provided.

1.0 Facility Identification

Name: WRB Refining LP Wood River Refinery
Street Address: 900 South Central Avenue
City: Roxana
County: Madison
Site No. (IEPA): 1191150002
Site No. (USEPA): ILD080012305

2.0 Owner Information

Name: Not Applicable
Mail Address:
City:
State: Zip Code:
Contact Name:
Contact Title:
Phone:

3.0 Operator Information

Name: Equilon Enterprises LLC dba SOPUS
Mail Address: 17 Junction Drive, PMB #399
City: Glen Carbon
State: IL Zip Code: 62034
Contact Name: Kevin Dyer
Contact Title: Senior Principal Program Manager
Phone: 618-288-7237

4.0 Type of Submission (check applicable item and provide requested information, as applicable)

☐ RFI Phase I Workplan/Report
☐ RFI Phase II Workplan/Report
☐ CMP Report;
☑ Other (describe): TACO Tier 3 Demonstration Response to Agency Comment

IEPA Permit Log No. B-43R
Date of Last IEPA Letter on Project October 10, 2017
Log No. of Last IEPA Letter on Project B-43R-CA-82, 88, 94, and 97

Does this submittal include groundwater information: ☑ Yes ☐ No

Date of Submittal: November 22, 2017

5.0 Description of Submittal: (briefly describe what is being submitted and its purpose)

Responses to Agency comments provided between June 30 and October 6, 2017. Copies of submittal sent directly to Jim Moore, Amy Boley and Gina Search.

6.0 Documents Submitted (identify all documents in submittal, including cover letter; give dates of all documents)

RCRA Corrective Action Certification, response to Agency comments provided between June 30 and October 6, 2017, TACO Tier 3 Demonstration.

7.0 Certification Statement

(This statement is part of the overall certification being provided by the owner/operator, professional and laboratory in Items 7.1, 7.2 and 7.3 below). The activities described in the subject submittals have been carried out in accordance with procedures approved by Illinois EPA. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

For: _____

Date of Submission: _____

7.1 Owner/Operator Certification

(Must be completed for all submittals. Certification and signature requirements are set forth in 35 IAC 702.126.) All submittals pertaining to the corrective action requirements set forth in a RCRA Permit must be signed by the person designated below (or by a duly authorized representative of that person):

1. For a Corporation, by a principal executive officer of at least the level of vice president.
2. For a Partnership or Sole Proprietorship, by a general partner or the proprietor, respectively.
3. For a Governmental Entity, by either a principal executive officer or a ranking elected official.

A person is a duly authorized representative only if:

1. the authorization is made in writing by a person described above; and
2. the written authorization is provided with this submittal (a copy of a previously submitted authorization can be used).

Owner Signature: _____ Date: _____

Title: _____

Operator Signature: Kevin Edgar Date: 10/16/17

Title: Senior Principal Program Manager

7.2 Professional Certification (If necessary)

Work carried out in this submittal or the regulations may also be subject to other laws governing professional services, such as the Illinois Professional Land Surveyor Act of 1989, the Professional Engineering Practice Act of 1989, the Professional Geologist Licensing Act, and the Structural Engineering Licensing Act of 1989. No one is relieved from compliance with these laws and the regulations adopted pursuant to these laws. All work that falls within the scope and definitions of these laws must be performed in compliance with them. The Illinois EPA may refer any discovered violation of these laws to the appropriate regulating authority.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44 (h))

Professional's Signature: Robert Billman Date: 11/21/17

Professional's Name Robert B. Billman

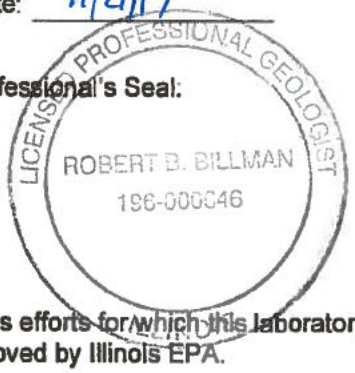
Address 1001 Highlands Plaza Dr West, Suite 300

City St. Louis

State MO Zip Code 63110

Phone 314-429-0100

Professional's Seal:



7.3 Laboratory Certification (If necessary)

The sample collection, handling, preservation, preparation and analysis efforts for which this laboratory was responsible were carried out in accordance with procedures approved by Illinois EPA.

Name of Laboratory Not Applicable

_____ Date: _____

Signature of Laboratory Responsible Officer

Mailing Address of Laboratory

Address _____

City _____

State _____ Zip Code _____

_____

Name and Title of Laboratory Responsible Officer

Tables

Response Letter Table		Previous Table Number and Source		IEPA Comment
RL-1	Statistics for Quarterly Groundwater or Soil Gas Monitoring Program		New Table	1
RL-2	Proposed ROs for Soil Gas	2-1	TACO Tier 3 Demonstration, Part 2	5
RL-3	Residential RO Exceedances for Soil Gas 1Q15-4Q16		New Table	5
RL-4	Matrix of Applicable Regulations		New Table	10, 11, 12
RL-5	Summary of Groundwater Monitoring Well Analytical Detections and Exceedances	3	Included with July 14, 2017 Supplement to TACO Tier 3 Demonstration and 2nd Quarter 2017 Roxana Interim Groundwater Monitoring Report	23

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-1

Statistics for Quarterly Groundwater or Soil Gas Monitoring Program

		GROUNDWATER			SOIL GAS		
CAS	Chemical	# Samples	# Detections	% Detected	# Samples	# Detections	% Detected
630-20-6	1,1,1,2-Tetrachloroethane	425	0	0.00%	-	-	-
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	425	0	0.00%	3227	67	2.08%
79-34-5	1,1,2,2-Tetrachloroethane	425	0	0.00%	3227	23	0.71%
79-00-5	1,1,2-Trichloroethane	425	2	0.47%	3227	13	0.40%
75-34-3	1,1-Dichloroethane	425	2	0.47%	3227	15	0.46%
75-35-4	1,1-Dichloroethene	425	0	0.00%	3227	9	0.28%
563-58-6	1,1-Dichloropropene	425	0	0.00%	-	-	-
87-61-6	1,2,3-Trichlorobenzene	425	2	0.47%	-	-	-
96-18-4	1,2,3-Trichloropropane	425	0	0.00%	-	-	-
120-82-1	1,2,4-Trichlorobenzene	425	2	0.47%	3227	50	1.55%
95-36-3 / 95-63-6	1,2,4-Trimethylbenzene	425	112	26.35%	3227	678	21.01%
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	420	0	0.00%	-	-	-
106-93-4	1,2-Dibromoethane	402	0	0.00%	3227	30	0.93%
95-50-1	1,2-Dichlorobenzene	425	1	0.24%	3227	41	1.27%
107-06-2	1,2-Dichloroethane	425	0	0.00%	3227	66	2.05%
78-87-5	1,2-Dichloropropane	425	0	0.00%	3227	36	1.12%
108-67-8	1,3,5-Trimethylbenzene	425	98	23.06%	3227	335	10.38%
106-99-0	1,3-Butadiene	-	-	-	3227	13	0.40%
541-73-1	1,3-Dichlorobenzene	425	1	0.24%	3227	64	1.98%
142-28-9	1,3-Dichloropropane	425	0	0.00%	-	-	-
106-46-7	1,4-Dichlorobenzene	425	1	0.24%	3227	61	1.89%
123-91-1	1,4-Dioxane	384	1	0.26%	3227	96	2.97%
544-10-5	1-Chlorohexane	107	0	0.00%	-	-	-
540-84-1	2,2,4-Trimethylpentane	-	-	-	3227	2362	73.19%
594-20-7	2,2-Dichloropropane	425	0	0.00%	-	-	-
78-93-3	2-Butanone	425	15	3.53%	3227	1733	53.70%
110-75-8	2-Chloroethyl vinyl ether	392	0	0.00%	-	-	-
95-49-8	2-Chlorotoluene	425	0	0.00%	-	-	-
591-78-6	2-Hexanone (Methyl N-Butyl Ketone)	407	5	1.23%	3227	342	10.60%
67-63-0	2-Propanol	-	-	-	3227	2201	68.21%
106-43-4	4-Chlorotoluene	425	1	0.24%	-	-	-
622-96-8	4-Ethyltoluene	-	-	-	3227	664	20.58%
108-10-1	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	407	9	2.21%	3227	664	20.58%
67-64-1	Acetone	425	22	5.18%	3227	2685	83.20%
107-02-8	Acrolein	396	0	0.00%	-	-	-
107-13-1	Acrylonitrile	396	0	0.00%	-	-	-
107-05-1	Allyl chloride (3-Chloropropene)	1	0	0.00%	3227	0	0.00%
100-44-7	alpha-Chlorotoluene	-	-	-	3227	36	1.12%
71-43-2	Benzene	425	251	59.06%	3227	2099	65.04%
108-86-1	Bromobenzene	425	1	0.24%	-	-	-
74-97-5	Bromochloromethane	425	0	0.00%	-	-	-
75-27-4	Bromodichloromethane	425	0	0.00%	3227	218	6.76%
75-25-2	Bromoform	425	0	0.00%	3227	13	0.40%
74-83-9	Bromomethane (Methyl bromide)	425	0	0.00%	3227	57	1.77%
106-97-8	Butane	-	-	-	3005	1268	42.20%
75-15-0	Carbon disulfide	425	4	0.94%	3227	842	26.09%
56-23-5	Carbon tetrachloride	425	0	0.00%	3227	60	1.86%
108-90-7	Chlorobenzene	425	2	0.47%	3227	62	1.92%
124-48-1	Chlorodibromomethane	425	0	0.00%	3227	40	1.24%
75-00-3	Chloroethane	425	9	2.12%	3227	15	0.46%
67-66-3	Chloroform	425	3	0.71%	3227	1078	33.41%
74-87-3	Chloromethane	425	8	1.88%	3227	196	6.07%

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-1

Statistics for Quarterly Groundwater or Soil Gas Monitoring Program

		GROUNDWATER			SOIL GAS		
CAS	Chemical	# Samples	# Detections	% Detected	# Samples	# Detections	% Detected
156-59-2	cis-1,2-Dichloroethene	425	0	0.00%	3227	33	1.02%
10061-01-5	cis-1,3-Dichloropropene	425	0	0.00%	3227	6	0.19%
110-82-7	Cyclohexane	-	-	-	3227	1228	38.05%
99-87-6	Cymene (p-Isopropyltoluene)	425	46	10.82%	-	-	-
74-95-3	Dibromomethane	425	0	0.00%	-	-	-
75-71-8	Dichlorodifluoromethane	425	0	0.00%	3227	2385	73.91%
75-09-2	Dichloromethane (Methylene chloride)	425	0	0.00%	3227	641	19.86%
64-17-5	Ethanol	-	-	-	3227	1623	50.29%
97-63-2	Ethyl methacrylate	401	1	0.25%	-	-	-
100-41-4	Ethylbenzene	425	121	28.47%	3227	834	25.84%
76-13-1	Freon 113	1	0	0.00%	3227	52	1.61%
76-14-2	Freon 114	-	-	-	3227	6	0.19%
142-82-5	Heptane	1	0	0.00%	3227	1333	41.31%
87-68-3	Hexachlorobutadiene	425	1	0.24%	3227	18	0.56%
110-54-3	Hexane	1	0	0.00%	3227	1936	59.99%
78-78-4	Isopentane	1	1	100.00%	3006	1957	65.10%
98-82-8	Isopropylbenzene (Cumene)	425	136	32.00%	3227	627	19.43%
1330-20-7 / 108-38-3/106-42-3	m,p-Xylenes	425	155	36.47%	3227	1352	41.90%
80-62-6	Methyl methacrylate	1	0	0.00%	-	-	-
1634-04-4	Methyl tert-Butyl Ether (MTBE)	425	110	25.88%	3227	90	2.79%
91-20-3	Naphthalene	423	115	27.19%	298	32	10.74%
104-51-8	n-Butylbenzene	425	35	8.24%	-	-	-
103-65-1	n-Propylbenzene	425	123	28.94%	3227	457	14.16%
95-47-6	o-Xylenes	425	136	32.00%	3227	723	22.40%
115-07-1	Propylene	-	-	-	48	12	25.00%
100-42-5	Styrene	425	1	0.24%	3227	215	6.66%
98-06-6	tert-Butylbenzene	425	61	14.35%	-	-	-
127-18-4	Tetrachloroethene	425	1	0.24%	3221	549	17.04%
109-99-9	Tetrahydrofuran	1	0	0.00%	3227	420	13.02%
108-88-3	Toluene	425	152	35.76%	3227	1804	55.90%
156-60-5	trans-1,2-Dichloroethene	425	0	0.00%	3227	8	0.25%
10061-02-6	trans-1,3-Dichloropropene	425	0	0.00%	3227	29	0.90%
79-01-6	Trichloroethene	425	1	0.24%	3227	204	6.32%
75-69-4	Trichlorofluoromethane	425	0	0.00%	3227	1178	36.50%
108-05-4	Vinyl acetate	425	8	1.88%	48	0	0.00%
75-01-4	Vinyl chloride	425	0	0.00%	3227	6	0.19%
1330-20-7	Xylenes (total)	400	162	40.50%	-	-	-

Notes:

Groundwater data set is 4Q10 through 4Q16. Soil gas data set is 4Q09 through 4Q16.

-	No sample data collected.

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-2
PROPOSED ROs FOR SOIL GAS

CAS	Chemical	Residential Tier 3 Proposed RO (10 ft bgs) (mg/m^3)	Construction Worker Tier 3 Proposed RO (20 ft bgs) (mg/m^3)
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	2800	870,000[c]
79-34-5	1,1,2,2-Tetrachloroethane	0.036	450
79-00-5	1,1,2-Trichloroethane	0.1	460
75-34-3	1,1-Dichloroethane	0.9	11,000
75-35-4	1,1-Dichloroethene	98	16,000
120-82-1	1,2,4-Trichlorobenzene	2.9	4,400[c]
95-63-6	1,2,4-Trimethylbenzene	43	14,000[a,c]
106-93-4	1,2-Dibromoethane	0.004	48
95-50-1	1,2-Dichlorobenzene	130	11,000[c]
107-06-2	1,2-Dichloroethane	0.38	4,700
78-87-5	1,2-Dichloropropane	0.035	4,400
108-67-8	1,3,5-Trimethylbenzene	44	17,000[a,c]
106-99-0	1,3-Butadiene	0.034	360
106-46-7	1,4-Dichlorobenzene	0.1	1,700
123-91-1	1,4-Dioxane	0.1	1,100
78-93-3	2-Butanone	2700	220,000
591-78-6	2-Hexanone (Methyl N-Butyl Ketone)	19	7,700
67-63-0	2-Propanol (Isopropanol)	82	150,000[a,c]
108-10-1	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	1900	110,000[a,c]
67-64-1	Acetone	11000	750,000[c]
100-44-7	alpha-Chlorotoluene (Benzyl chloride)	0.033	410
71-43-2	Benzene	0.15	1,800
75-27-4	Bromodichloromethane	0.05	610
75-25-2	Bromoform	6.2	77,000
74-83-9	Bromomethane (Methyl bromide)	3	25,000
75-15-0	Carbon disulfide	300	120,000
56-23-5	Carbon tetrachloride	0.2	2,700
108-90-7	Chlorobenzene	30	74,000[c]
75-00-3	Chloroethane (Ethyl chloride)	4200	700,000
67-66-3	Chloroform	0.04	530
74-87-3	Chloromethane	32	440,000
10061-01-5	cis-1,3-Dichloropropene	0.4	5,100
110-82-7	Cyclohexane	3300	460,000[a,c]
75-71-8	Dichlorodifluoromethane	58	240,000
75-09-2	Dichloromethane (Methylene chloride)	100	190,000
100-41-4	Ethy benzene	0.55	6,700
76-13-1	Freon 113 (Trichloro-1,2,2-trifluoroethane, 1,1,2-)	5800	3,800,000[a,c]
142-82-5	Heptane	270	260,000[a,c]
87-68-3	Hexachlorobutadiene	0.2	2,200
110-54-3	Hexane	420	500,000
98-82-8	Isopropylbenzene (Cumene)	270	25,000
1330-20-7 / 108-38-3/106-42-3	m,p-Xylenes	57[b]	24,000[b]
1634-04-4	Methyl tert-Butyl Ether (MTBE)	4.6	57,000
91-20-3	Naphthalene	0.05	620[c]
103-65-1	n-Propylbenzene	730	23,000[a,c]
95-47-6	o-Xylenes	50	21,000
100-42-5	Styrene	620	34,000[c]
127-18-4	Tetrachloroethene	5.5	10,000
109-99-9	Tetrahydrofuran	880	360,000

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-2
PROPOSED ROs FOR SOIL GAS

CAS	Chemical	Residential Tier 3 Proposed RO (10 ft bgs) (mg/m^3)	Construction Worker Tier 3 Proposed RO (20 ft bgs) (mg/m^3)
108-88-3	Toluene	2500	140,000[c]
10061-02-6	trans-1,3-Dichloropropene	0.4	5,100
79-01-6	Trichloroethene	0.32	460
75-01-4	Vinyl chloride	0.1	2,700

Notes:

a C_v^{sat} values not provided in TACO were calculated using J&E Equation 5 and USEPA RSL toxicity data last updated June 2017.
b m,p-xylenes screening value based on p-xylene LDN calculations.
c Calculated Tier 3 concentration exceeded the C_v^{sat} value and was therefore adjusted to equal C_v^{sat} value.

Acronyms:
bgs = below ground surface
CAS = Chemical Abstracts Service
C_v^{sat} = Soil Vapor Saturation Limit
LDN = Little, Daisey, Nazaroff
mg/m^3 = milligrams per meter cubed
RSL = Regional Screening Level
TACO = Tiered Approach to Corrective Action Objectives (35 IAC 742)
USEPA = United States Environmental Protection Agency

TABLE RL-3
RESIDENTIAL RO EXCEEDANCES FOR SOIL GAS 1Q15-4Q16

Location	Sample Date	Depth	Sample ID	CAS	Chemical	Results (mg/m^3)	Residential Tier 3 Proposed RO (10 ft bgs) (mg/m^3)
VMP-2	2/10/2015	5	VMP-2-5-021015	100-41-4	Ethylbenzene	0.79	0.55
VMP-4	5/5/2016	5	VMP-4-5-050516	100-41-4	Ethylbenzene	0.63	0.55
VMP-11	11/1/2016	8	VMP-11-8-110116	91-20-3	Naphthalene	0.067	0.05
VMP-5	1/30/2015	5	VMP-5-5-013015	67-66-3	Chloroform	0.057	0.04
VMP-47	7/21/2015	10	VMP-47-10-072115	67-66-3	Chloroform	0.1	0.04
VMP-50	8/26/2016	10	VMP-50-10-082616	67-66-3	Chloroform	0.055	0.04
VMP-50	10/31/2016	10	VMP-50-10-103116	67-66-3	Chloroform	0.066	0.04

TABLE RL-4
MATRIX OF APPLICABLE REGULATIONS

The table below lists the regulations relevant to a Tier 3 evaluation under the Tiered Approach to Corrective Action (TACO) regulatory framework and provides a discussion on the information as presented in the Tier 3 Demonstration submitted April 27, 2017 and the Supplemental Document submitted on July 14, 2017.

Regulatory Citation	Regulation	Covered under Tier 3 Demonstration or Supplement?	Reference	Comments
Title 35, Part 742, Subpart I, Section 900 (b) ***Tier 3 Evaluation Overview***	The level of detail required to adequately characterize a site depends on the particular use of Tier 3. Tier 3 can require additional investigative efforts beyond those described in Tier 2 to characterize the physical setting of the site. However, in situations where remedial efforts have simply reached a physical obstruction additional investigation may not be necessary for a Tier 3 submittal.	Yes	Section 2 (Part 1) Section 3 (Part 1) Figure 3-1 through Figure 3-14 (Part 1) and Figure RL-8 through RL-21 (Response to IEPA Comment 30 and 31) Figure 4-8 through Figure 4-10 (Part 1)	Since 2008, a substantial number of indoor air, groundwater, soil gas, and soil samples have been collected at the Site to characterize the nature and extent of petroleum hydrocarbon impact. The samples have been collected in connection with several Site investigations as well as routine monitoring programs. The laboratory analytical samples collected at the Site through 4th Quarter 2016 (4Q16) include over 200 indoor air samples, over 900 groundwater samples, over 330 soil samples, and over 3,400 soil gas samples. In addition to the samples that were collected for laboratory analysis, over 17,000 soil gas samples have been collected and field-screened between 2008 and 4Q16. The purpose or use of the Tier 3 demonstration is to establish remediation objectives for soil gas. The referenced text and figures demonstrate the delineation of the soil gas as well as the effects that the soil vapor extraction (SVE) system has had on the subsurface temporally and spatially.
Title 35, Part 742, Subpart I, Section 900 (c)(2) ***Tier 3 Evaluation Overview***	(c) Situations that can be considered for a Tier 3 evaluation include, but are not limited to: (2) Use of models different from those used in Tier 2.	Yes	Section 2.1.1.1- *Johnson & Ettinger* (Pg. 2-3 of Part 2) Section 2.1.1.2- *Little, Daisey, Nazaroff* (Pg. 2-4 of Part 2) Section 2.1.1.3- *Comparison of J&E to LDN* (Pg. 2-5 of Part 2)	Under a Tier 2 evaluation, Johnson & Ettinger (J&E) soil gas equations (J&E1 and 2) are used for the evaluation of the indoor inhalation exposure route. The Little, Daisey, and Nazaroff (LDN) model was selected because it resembles the J&E model, while allowing for a scenario where no building slab is considered (i.e., a more conservative scenario). The LDN model is equivalent to the J&E equations given in TACO for calculating diffusive transport through soil and calculating exposure once vapors have entered an indoor space. Therefore, the mathematical and technical justifications that apply to that part of TACO also generally apply to the LDN model.
Title 35, Part 742, Subpart I, Section 905 ***Modifications of Parameters***	Any proposed changes to Tier 2 parameters which are not provided for in Tier 2 shall be submitted to the Agency for review and approval	N/A	This regulation is not applicable because an alternative model per Section 910 is proposed.	N/A
Title 35, Part 742, Subpart I, Section 910 ***Alternative Models***	Any proposals for the use of models other than those specified in Tier 2 shall be submitted to the Agency for review and approval. A submittal under this Section shall include the following information: a) Physical and chemical properties of contaminants of concern; b) Contaminant movement properties; c) Contaminant availability to receptors; d) Receptor exposure to the contaminants of concern; e) Mathematical and technical justification for the model proposed;	Yes	a) Exhibit 2-6 (Pages 2-6 and 2-7 of Part 2) Appendix 2-B, Table 1 (Part 2) Appendix 2-B, Table 3 (Part 2) b) Exhibit 2-6 (Pages 2-6 and 2-7 of Part 2) Appendix 2-B, Table 1 (Part 2) Appendix 2-B, Table 3 (Part 2) c) Exhibit 2-5 (Page 2-5 of Part 2) Exhibit 2-6 (Pages 2-6 and 2-7 of Part 2) Appendix 2-B, Table 1 (Part 2)	A Supplement to the TACO Tier 3 Demonstration was submitted to IEPA on July 14, 2017. In addition to the references, additional information regarding the requirements of Title 35 IAC Part 742.910 was provided in that document.

TABLE RL-4
MATRIX OF APPLICABLE REGULATIONS

Regulatory Citation	Regulation	Covered under Tier 3 Demonstration or Supplement?	Reference	Comments
	f) A licensed copy of the model, if the Agency does not have a licensed copy of the model currently available for use; and g) Demonstration that the models were correctly applied.		Appendix 2-B, Table 3 (Part 2) d) Appendix 2-B, Table 2 (Part 2) Appendix 2-B, Table 4 (Part 2) e) Section 2.1.1.3 (Page 2-5 of Part 2) Exhibit 2-5 (Page 2-5 of Part 2) f) Appendix 2-A (Part 2) Appendix 2-B, Table 1 (Part 2) Appendix 2-B, Table 2 (Part 2) Appendix 2-B, Table 3 (Part 2) Appendix 2-B, Table 4 (Part 2) g) Exhibit 2-4 (Page 2-5 of Part 2) Appendix 2-A, Figure 3, Page 2063 (Part 2)	
Title 35, Part 742, Subpart I, Section 915 *Formal Risk Assessments*	A comprehensive site-specific risk assessment shall demonstrate that contaminants of concern at a site do not pose a significant risk to any human receptor. All site-specific risk assessments shall be submitted to the Agency for review and approval.	N/A	This regulation is not applicable because an alternative model per Section 910 is proposed.	N/A
Title 35, Part 742, Subpart I, Section 920 *Impractical Remediation*	Any request for site-specific remediation objectives due to impracticality of remediation shall be submitted to the Agency for review and approval.	N/A	This regulation is not applicable because an alternative model per Section 910 is proposed.	N/A
Title 35, Part 742, Subpart I, Section 925 *Exposure Routes*	Technical information may demonstrate that there is no actual or potential impact of contaminants of concern to receptors from a particular exposure route. In these instances, a demonstration excluding an exposure route shall be submitted to the Agency for review and approval. A demonstration that involves the indoor inhalation exposure route shall follow Section 742.935 in lieu of this Section.	N/A	This regulation is not applicable because an alternative model per Section 910 is proposed.	N/A
Title 35, Part 742, Subpart I, Section 930 *Derivation of Toxicological Data*	If toxicological-specific information is not available for one or more contaminants of concern from the sources incorporated by reference in Section 742.210, the derivations of toxicological-specific information shall be submitted for Agency review and approval.	N/A	This regulation is not applicable because an alternative model per Section 910 is proposed.	N/A

TABLE RL-4
MATRIX OF APPLICABLE REGULATIONS

Regulatory Citation	Regulation	Covered under Tier 3 Demonstration or Supplement?	Reference	Comments
Title 35, Part 742, Subpart I, Section 935 *Indoor Inhalation Exposure Route*	a) Exclusion of Exposure Route b) Exclusion of Exposure Route Using Building Control Technologies c) Calculation and Modeling Used to Establish Soil Gas Remediation Objectives The calculations and modeling shall account for contaminant transport through the mechanisms of diffusion and advection. Proposals to use soil gas data, including sub-slab samples, to establish remediation objectives for the indoor inhalation exposure route that differ from the requirements of Section 742.227 shall be submitted to the Agency for review and approval. A submittal under this Section shall include the following information: 1) Scaled map of the area, showing all buildings and man-made pathways (current and planned); 2) The current extent and modeled migration of contamination; 3) Geology, including soil types and parameters; 4) Depth to groundwater (including seasonal variation) and flow direction; 5) Location of soil gas sampling points; 6) A discussion of soil gas sampling procedures that, at a minimum, addresses the following: A) sampling equipment; B) soil gas collection protocol, including field tests and weather conditions; and C) laboratory analytical methods. d) Calculations and Modeling Used to Establish Soil Remediation Objections e) Calculations and Modeling Used to Establish Groundwater Remediation Objectives	N/A- a, b, d, e c- Yes	c-1) Figure 1-1, Figure 3-15 (Part 1) c-2) Figures 3-1 through 3-14, Figures 4-8 through 4-10 (Part 1) and Figure RL-8 through RL-21 (Response to IEPA Comment 30 and 31) c-3) Figure RL-3 through RL-7 (Response to IEPA Comment 25 and 26 c-4) Figure RL-1, Figure RL-2 (Response to IEPA Comment 23) c-5) Figure 1-2 c-6a-c) Section 4.1.5 (Part 1)	The information required as part of the referenced regulation is provided in Part 1 of the Tier 3 Demonstration as well as in this response to comments letter.

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																	
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-01	MW1-ROX-070914	7/9/2014	48.80 - 58.80	42.09	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW1-ROX-100614	10/6/2014		41.1	NE	<0.01 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW1-ROX-011215	1/12/2015		42.73	NE	0.035	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW1-ROX-040615	4/6/2015		44.11	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW1-ROX-070815	7/8/2015		43.35	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW1-ROX-100615	10/6/2015		40.83	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW1-ROX-010816	1/8/2016		40.93	NE	<0.025	0.0029	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW1-ROX-041216	4/12/2016		40.35	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW1-ROX-071416	7/14/2016		39.43	NE	<0.025	0.00063 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW1-ROX-101316	10/13/2016		38.79	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW-1-ROX-011217	1/12/2017		38.35	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW1-ROX-041717	4/17/2017	48.80 - 58.80	38.50	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
MW-02	MW2-ROX-071414	7/14/2014	49.87 - 59.87	43.13	NE	<0.01	0.0102 J	<0.005	<0.005	0.0194 J	0.0073 J	0.0013 J J	<0.005	<0.001	<0.002	<0.001	<0.002	0.008 J	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW2-ROX-101014	10/10/2014		42.49	NE	<0.02 UJ	0.0132	<0.01	<0.01	0.0145	0.0057 J	0.0011 J	<0.01 UJ	<0.002 UJ	<0.004	<0.002	<0.004	0.0063 J	<0.000014	<0.000014	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004
	MW2-ROX-011615	1/16/2015		44.1	NE	<0.01	0.0278	0.00045 J	<0.005	0.0185	0.0091	0.0016 J	<0.005	<0.001	<0.002	<0.001	0.0052	0.0109	<0.000015	<0.000015	0.0008 J	0.00084 J	0.00099 J	<0.001	<0.002	<0.002
	MW2-ROX-041315	4/13/2015		45.56	NE	<0.01	0.0283	<0.005	<0.005	<0.005	0.0052 J	0.00084 J J	0.00028 J	<0.001	<0.002	<0.001	<0.002	0.0064	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW2-ROX-071315	7/13/2015		44.53	NE	<0.01	0.0204	<0.005	<0.005	<0.005	0.006	0.0012 J	<0.0023 U	<0.001	<0.002	<0.001	<0.002	0.006	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW2-ROX-101215	10/12/2015		42.15	NE	0.054	0.035	<0.002	0.048 J	<0.002	0.0056	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0065	<0.000041	<0.000027	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002
	MW2-ROX-011416	1/14/2016		42.04	NE	0.034 J	0.018	<0.002	0.0089 J	0.0057	0.0039	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0046	<0.000029	<0.000019	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002
	MW2-ROX-041316	4/13/2016		41.59	NE	0.028 J	0.017	<0.002	0.019 J	<0.002	0.0078	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0087	<0.00003	<0.00002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002
	MW2-ROX-071416	7/14/2016		40.79	NE	<0.05	0.012	<0.002	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0066	<0.000031 UJ	<0.000021 UJ	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002
	MW2-ROX101316	10/13/2016		40.10	NE	<0.025	0.013	<0.001	0.013 J	0.0036	0.0027	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0032	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW2-ROX-011217	1/12/2017		39.58	NE	<0.025	0.016	<0.001	<0.025	<0.001	0.0059	<0.001	0.0039	<0.001	<0.001	<0.001	<0.001	0.007	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW2-ROX-041717	4/17/2017	49.87 - 59.87	39.68	NE	<0.13	0.0062	<0.005	0.026 J	0.0088	0.0055	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.000031	<0.000021	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005
MW-03	MW3-ROX-071114	7/10/2014	34.67 - 44.67	29.05	NE	<0.01 UJ	0.00062	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW3-ROX-100914	10/9/2014		28.18	NE	<0.01 UJ	0.0005	<0.005	<0.005	<0.005	<0.005	0.00083 J	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW3-ROX-011515	1/15/2015		29.65	NE	<0.01	0.00037 J	<0.005	<0.005	<0.005	0.00049 J	0.0009 J	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW3-ROX-041015	4/10/2015		31.16	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005 UJ	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW3-ROX-071015	7/10/2015		30.01	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW3-ROX-100915	10/9/2015		27.98	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW3-ROX-010716	1/7/2016		27.92	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW3-ROX-040616	4/6/2016		27.07	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	0.0007 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW3-ROX-070816	7/8/2016		26.51	NE	0.03	0.00042 J	<0.001	0.0047 J	<0.001	0.00092 J	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW3-ROX100716	10/7/2016		25.79	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW3-ROX-010617	1/6/2017		25.65	NE	0.015 J	0.0011	<0.001	<0.025	0.00078 J	0.0016	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW3-ROX-041117	4/11/2017	34.67 - 44.67	25.71	NE	0.023 J	0.0004 J	<0.001	<0.025	<0.001	<0.001	0.00073 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031 UJ	<0.00002 UJ	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																	
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-04	MW4-ROX-071614	7/16/2014	46.06 - 56.06	40.18	NE	<0.01	1.86	<0.005	<0.005	<0.005	<0.05	<0.05	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW4-ROX-101614	10/16/2014		39.49	NE	<0.05	0.815	<0.025	<0.025 UJ	<0.025	<0.025	<0.025	<0.025	<0.005	<0.01	<0.005	<0.01	<0.025	<0.000014	<0.000014	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01
	MW4-ROX-012115	1/21/2015		41.27	NE	<0.01	0.0902	<0.005	<0.005	<0.005	<0.005	0.00065 J	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW4-ROX-042115	4/21/2015	45.06 - 55.06	42.58	NE	<0.01	0.0702	<0.005	<0.005	<0.005	<0.005	0.00066 J	<0.005 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW4-ROX-071415	7/14/2015		41.30	NE	<0.01	0.063	<0.005	<0.005	0.00066 J	0.00051 J	0.00074 J	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW4-ROX-101915	10/19/2015		39.44	NE	<0.025	0.0036	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW4-ROX-011316	1/13/2016		39.10	NE	<0.025	0.12	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW4-ROX-041916	4/19/2016		38.50	NE	<0.025	0.0012	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW4-ROX-071416	7/14/2016		37.85	NE	<0.025	0.0008 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW4-ROX-100616	10/6/2016		37.18	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW4-ROX-010917	1/9/2017		36.84	NE	<0.025	0.00039 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW4-ROX-041017	4/10/2017	45.06 - 55.06	36.93	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
MW-05	MW5-ROX-071414	7/14/2014	33.97 - 43.97	28.59	NE	<0.01	0.001	<0.005	<0.005	<0.005	0.0011 J	0.0046 J	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW-5-ROX-100914	10/9/2014		27.75	NE	<0.01 UJ	0.028	<0.005	<0.005	<0.005	0.00083 J	0.0049 J	<0.005 UJ	<0.001 UJ	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW5-ROX-011515	1/15/2015		29.34	NE	<0.01	0.003	<0.005	<0.005	<0.005	0.0014 J	0.0059	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW5-ROX-041315	4/13/2015		30.97	NE	<0.01	0.0391	<0.005	<0.005	<0.005	0.0014 J J	0.0051 J	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW5-ROX-071315	7/13/2015		29.45	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	0.0031 J	<0.00032 U	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW5-ROX-101215	10/12/2015		27.53	NE	<0.025	0.0088	<0.001	<0.025	<0.001	<0.001	0.0035	<0.001	<0.001	<0.001	0.00079 J	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW5-ROX-011416	1/14/2016		27.19	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	0.0026	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW5-ROX-040616	4/6/2016		26.80	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	0.0016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW5-ROX-070816	7/8/2016		26.28	NE	0.011 J	<0.001	<0.001	<0.025	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW5-ROX-101016	10/10/2016		25.47	NE	<0.025	<0.001	<0.001	<0.025	<0.001	0.00077 J	0.0044	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW5-ROX-010617	1/6/2017		25.33	NE	<0.025	0.0011	<0.001	<0.025	<0.001	0.0013	0.0034	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW5-ROX-041217	4/12/2017	33.97 - 43.97	25.32	NE	<0.025	0.00049 J	<0.001	<0.025	<0.001	<0.001	0.0012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
MW-06A	MW6A-ROX-071014	7/10/2014	34.83 - 44.83	30.75	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002 UJ	<0.001	<0.002 UJ	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6A-ROX-100814	10/8/2014		29.84	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6A-ROX-011415	1/14/2015		31.54	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6A-ROX-040715	4/7/2015		33.08	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6A-ROX-071515	7/15/2015		31.52	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6A-ROX-100715	10/7/2015		29.77	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6A-ROX-011116	1/11/2016		29.36	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6A-ROX-040716	4/7/2016		29.07	NE	0.023 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6A-ROX-071116	7/11/2016		28.45	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6A-ROX-101116	10/11/2016		27.51	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6A-ROX-011017	1/10/2017		27.43	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6A-ROX-041217	4/12/2017	34.83 - 44.83	27.38	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																	
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
			Screening Values (mg/L)			6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
MW-06B	MW6B-ROX-071014	7/10/2014	64.05 - 69.05	30.81	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002 UJ	<0.001	<0.002 UJ	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6B-ROX-100814	10/8/2014		29.87	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6B-ROX-011415	1/14/2015		31.59	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6B-ROX-040715	4/7/2015		33.10	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6B-ROX-040715-DUP	4/7/2015		33.10	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6B-ROX-071415	7/14/2015		31.56	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6B-ROX-100715	10/7/2015		29.80	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000033	<0.000022	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6B-ROX-011116	1/11/2016		29.41	NE	<0.025	<0.001	<0.001	0.005 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6B-ROX-040716	4/7/2016		29.11	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6B-ROX-071116	7/11/2016		28.49	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6B-ROX-101116	10/11/2016		27.56	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6B-ROX-011017	1/10/2017		27.49	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6B-ROX-041217	4/12/2017	64.05 - 69.05	27.44	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
MW-06C	MW6C-ROX-071014	7/10/2014	84.95 - 89.95	30.60	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002 UJ	<0.001	<0.002 UJ	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6C-ROX-100814	10/8/2014		29.67	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6C-ROX-011415	1/14/2015		31.41	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6C-ROX-040915	4/9/2015		32.80	NE	<0.01 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6C-ROX-071415	7/14/2015		31.38	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6C-ROX-100715	10/7/2015		29.60	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6C-ROX-010816	1/8/2016		29.31	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6C-ROX-040716	4/7/2016		28.91	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6C-ROX-071116	7/11/2016		28.30	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6C-ROX-101016	10/10/2016		27.37	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6C-ROX-011017	1/10/2017		27.26	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6C-ROX-041217	4/12/2017	84.95 - 89.95	27.24	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
MW-06D	MW6D-ROX-071014	7/10/2014	104.72 - 109.72	31.47	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002 UJ	<0.001	<0.002 UJ	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6D-ROX-071014-DUP	7/10/2014		31.47	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002 UJ	<0.001	<0.002 UJ	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6D-ROX-100814	10/8/2014		29.53	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6D-ROX-100814-DUP	10/8/2014		29.53	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6D-ROX-011415	1/14/2015		31.26	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6D-ROX-011415-DUP	1/14/2015		31.26	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6D-ROX-040715	4/7/2015		32.74	NE	<0.01	0.00032 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6D-ROX-071415	7/14/2015		31.19	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW6D-ROX-100715	10/7/2015		29.45	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6D-ROX-010816	1/8/2016		29.59	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6D-ROX-010816-DUP	1/8/2016		29.59	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6D-ROX-040716	4/7/2016		28.76	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6D-ROX-040716-DUP	4/7/2016		28.76	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6D-ROX-071116	7/11/2016		28.16	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6D-ROX-071116-DUP	7/11/2016		28.16	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6D-ROX-101016	10/10/2016		27.26	NE	<0.025	0.0041	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6D-ROX-101016-DUP	10/10/2016		27.26	NE	<0.025	0.0044	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6D-ROX-011017	1/10/2017		27.14	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6D-ROX-011017-DUP	1/10/2017		27.14	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6D-ROX-041217	4/12/2017	104.72 - 109.72	27.10	NE	<0.025	0.0013	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW6D-ROX-041217-DUP	4/12/2017		27.10	NE	<0.025	0.00088 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																	
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-07	MW7-ROX-071614	7/16/2014	42.92 - 52.92	42.05	NE	<0.01	1270	<0.005	<0.005	0.0036 J J	0.0022 J J	0.0022 J J	<0.005	<0.001	<0.002	<0.001	<0.002	0.0015 J J	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW7-ROX-071614-DUP	7/16/2014		42.05	NE	<0.01	1370	<0.005	<0.005	0.0034 J J	0.0023 J J	0.0022 J J	<0.005	<0.001	<0.002	<0.001	<0.002	0.0015 J J	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW7-ROX-101614	10/16/2014		41.31	NE	<50	1130	<25	<25 UJ	<25	<25	<25	<25	<5	<10	<5	<10	<25	<0.000014	<0.000014	<5	<5	<5	<5	<10	<10
	MW7-ROX-101614-DUP	10/16/2014		41.31	NE	<50	984	<25	<25 UJ	<25	<25	<25	<25	<5	<10	<5	<10	<25	<0.000014	<0.000014	<5	<5	<5	<5	<10	<10
	MW7-ROX-012215	1/22/2015		43.45	NE	<10	821	<5	<5	<5	<5	<5	<5	<1	<2	<1	<2	<5	<0.000014	<0.000014	<1	<1	<1	<1	<2	<2
	MW7-ROX-012215-DUP	1/22/2015		43.45	NE	<10	799	<5	<5	<5	<5	<5	<5	<1	<2	<1	<2	<5	<0.000015	<0.000015	<1	<1	<1	<1	<2	<2
	MW7-ROX-042115	4/21/2015		44.63	NE	<0.5	1110	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.05	<0.1	<0.05	<0.1	<0.25	<0.000014	<0.000014	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
	MW7-ROX-042115-DUP	4/21/2015		44.63	NE	<0.5	1160	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.05	<0.1	<0.05	<0.1	<0.25	<0.000014	<0.000014	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
	MW7-ROX-071515	7/15/2015		43.54	NE	<50	1300	<25	<25	<25	<25	<25	<25	<5	<10	<5	<10	<25	<0.000014	<0.000014	<5	<5	<5	<5	<10	<10
	MW7-ROX-071515-DUP	7/15/2015		43.54	NE	<50	1370	<25	<25	<25	<25	<25	<25	<5	<10	<5	<10	<25	<0.000014	<0.000014	<5	<5	<5	<5	<10	<10
	MW7-ROX-101915	10/19/2015		41.43	NE	<250	1000	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.000029	<0.00002	<10	<10	<10	<10	<50	<10
	MW7-ROX-101915-DUP	10/19/2015		41.43	NE	<250	990	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.000029	<0.000019	<10	<10	<10	<10	<50	<10
	MW7-ROX-011416	1/14/2016		41.02	NE	<130	740	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.000029	<0.000019	<5	<5	<5	<5	<25	<5
	MW7-ROX-011416-DUP	1/14/2016		41.02	NE	<130	700	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.000029	<0.00002	<5	<5	<5	<5	<25	<5
	MW7-ROX-041916	4/19/2016		40.68	NE	<50	1100	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.000029	<0.000019	<2	<2	<2	<2	<10	<2
	MW7-ROX-041916-DUP	4/19/2016		40.68	NE	<50	1100	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.000029	<0.00002	<2	<2	<2	<2	<10	<2
	MW7-ROX-071416	7/14/2016		39.99	NE	<130	670	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.000029	<0.00002	<5	<5	<5	<5	<25	<5
	MW7-ROX-071416-DUP	7/14/2016		39.99	NE	<130	680	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.000029	<0.000019	<5	<5	<5	<5	<25	<5
	MW7-ROX-100616	10/6/2016		39.24	NE	<250	910	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.00003	<0.00002	<10	<10	<10	<10	<50	<10
	MW7-ROX-100616-DUP	10/6/2016		39.24	NE	<250	840	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.00003	<0.00002	<10	<10	<10	<10	<50	<10
	MW7-ROX-010917	1/9/2017		38.90	NE	<130	950	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.00003	<0.00002	<5	<5	<5	<5	<25	<5
	MW7-ROX-041017	4/10/2017	42.92 - 52.92	38.88	NE	<25	1000	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.00012 p J	0.000042 J	<1	<1	<1	<1	<5	<1
	MW7-ROX-041017-DUP	4/10/2017		38.88	NE	<25	1100	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.00012 p J	0.000052 J	<1	<1	<1	<1	<5	<1
MW-08	MW8-ROX-071614	7/16/2014	33.60 - 43.60	33.01	NE	<0.01 UJ	276	<0.005 UJ	<0.005 UJ	0.0069 J	0.0042 J J	0.0028 J J	<0.005 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	0.0032 J J	<0.000014 UJ	<0.000014 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.002 UJ
	MW8-ROX-101614	10/16/2014		32.23	NE	<10	486	<5	<5 UJ	<5	<5	<5	<5	<1	<2	<1	<2	<5	<0.000015	<0.000015	<1	<1	<1	<1	<2	<2
	MW8-ROX-012215	1/22/2015		34.22	NE	<10	764	<5	<5	<5	<5	<5	<5	<1	<2	<1	<2	<5	<0.000015	<0.000015	<1	<1	<1	<1	<2	<2
	MW8-ROX-042115	4/21/2015		35.41	NE	<0.5	1100	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.05	<0.1	<0.05	<0.1	<0.25	<0.000014	<0.000014	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
	MW8-ROX-071515	7/15/2015		34.07	NE	<50	879	<25	<25	<25	<25	<25	<25	<5	<10	<5	<10	<25	<0.000014	<0.000014	<5	<5	<5	<5	<10	<10
	MW8-ROX-101915	10/19/2015		32.30	NE	<130	580	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.00003	<0.00002	<5	<5	<5	<5	<25	<5
	MW8-ROX-011416	1/14/2016		31.79	NE	<50	300	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.00003	<0.00002	<2	<2	<2	<2	<10	<2
	MW8-ROX-041916	4/19/2016		31.45	NE	<25	480	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.00003	<0.00002	<1	<1	<1	<1	<5	<1
	MW8-ROX-071416	7/14/2016		30.80	NE	<50	310	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.00003	<0.00002	<2	<2	<2	<2	<10	<2
	MW8-ROX-100616	10/6/2016		29.99	NE	<130	630	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.00003	<0.00002	<5	<5	<5	<5	<25	<5
	MW8-ROX-010917	1/9/2017		29.79	NE	<63	410	<2.5	<63	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.00003	<0.00002	<2.5	<2.5	<2.5	<2.5	<13	<2.5
	MW8-ROX-041017	4/10/2017	33.60 - 43.60	29.80	NE	<25	830	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.000031 UJ	<0.000021 UJ	<1	<1	<1	<1	<5	<1

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TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																	
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
				Screening Values (mg/L)		6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-09	MW9-ROX-070914	7/9/2014	46.45 - 56.45	44.35	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW9-ROX-100714	10/7/2014		43.52	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW9-ROX-011315	1/13/2015		44.21	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW9-ROX-040915	4/9/2015		45.38	NE	<0.01 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW9-ROX-070915	7/9/2015		44.81	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW9-ROX-100815	10/8/2015		42.64	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW9-ROX-011316	1/13/2016		42.63	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW9-ROX-041216	4/12/2016		41.98	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW9-ROX-071316	7/13/2016		40.93	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW9-ROX-101316	10/13/2016		40.39	NE	<0.025	0.0024	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW9-ROX-011117	1/11/2017		40.06	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW9-ROX-041417	4/14/2017	46.45 - 56.45	40.56	NE	<0.025	0.00068 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
MW-10	MW10-ROX-070914	7/9/2014	44.43 - 54.43	44.35	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW10-ROX-100714	10/7/2014		43.58	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW10-ROX-011315	1/13/2015		44.27	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW10-ROX-040815	4/8/2015		45.30	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW10-ROX-070915	7/9/2015		44.93	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.00048 U	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW10-ROX-100915	10/9/2015		42.79	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW10-ROX-011316	1/13/2016		42.53	NE	0.023 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW10-ROX-041116	4/11/2016		41.88	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW10-ROX-071316	7/13/2016		41.00	NE	<0.025	0.0006 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW10-ROX-101216	10/12/2016		40.27	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW10-ROX-011117	1/11/2017		39.88	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW10-ROX-041417	4/14/2017	44.43 - 54.43	40.43	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
MW-11	MW11-ROX-070914	7/9/2014	41.66 - 51.66	41.75	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW11-ROX-100714	10/7/2014		40.89	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW11-ROX-011315	1/13/2015		41.93	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW11-ROX-040815	4/8/2015		43.19	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW11-ROX-070915	7/9/2015		42.45	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.00021 U	<0.001	<0.002	<0.001	0.00058 J	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW11-ROX-100815	10/8/2015		40.15	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW11-ROX-011216	1/12/2016		40.33	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW11-ROX-041116	4/11/2016		39.49	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW11-ROX-071316	7/13/2016		38.59	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW11-ROX-101216	10/12/2016		37.93	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW11-ROX-011117	1/11/2017		37.63	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW11-ROX-041417	4/14/2017	41.66 - 51.66	37.98	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001

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TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																	
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
				Screening Values (mg/L)		6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-12	MW12-ROX-070914	7/9/2014	41.92 - 51.92	41.97	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW12-ROX-100614	10/6/2014		40.98	NE	<0.01 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW12-ROX-011215	1/12/2015		42.33	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW12-ROX-040615	4/6/2015		43.75	NE	0.0265 J	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW12-ROX-070815	7/8/2015		42.86	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW12-ROX-100815	10/8/2015		40.54	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW12-ROX-100815-DUP	10/8/2015		40.54	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW12-ROX-011116	1/11/2016		40.98	NE	0.015 J	<0.001	<0.001	0.0043 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW12-ROX-040716	4/7/2016		39.82	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW12-ROX-071216	7/12/2016		38.89	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW12-ROX-101116	10/11/2016		38.85	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW12-ROX-010917	1/9/2017		38.11	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW12-ROX-041417	4/14/2017	41.92 - 51.92	38.29	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
MW-13	MW13-ROX-070714	7/7/2014	25.57 - 35.57	28.49	NE	<0.01 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW13-ROX-101014	10/10/2014		27.48	NE	<0.01 UJ	0.00037 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001 UJ	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW13-ROX-011615	1/16/2015		29.09	NE	<0.01	0.00046 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW13-ROX-041415	4/14/2015		30.71	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW13-ROX-070815	7/8/2015		29.16	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	0.0016 J	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW13-ROX-100515	10/5/2015		27.34	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW13-ROX-010716	1/7/2016		27.16	NE	0.019 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW13-ROX-040816	4/8/2016		26.81	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW13-ROX-071116	7/11/2016		26.01	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW13-ROX100716	10/7/2016		25.16	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW13-ROX-010617	1/6/2017		25.54	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW13-ROX-041317	4/13/2017	25.57 - 35.57	25.75	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
MW-14	MW14-ROX-070714	7/7/2014	33.42 - 43.42	32.82	NE	<0.01 UJ	<0.0005	<0.005	<0.005	<0.005	0.00042 J	0.00047 J	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW14-ROX-101414	10/14/2014		31.65	NE	<0.01 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	0.00063 J	<0.005	<0.001 UJ	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW14-ROX-011615	1/16/2015		33.58	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	0.00053 J	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW14-ROX-041415	4/14/2015		35.16	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW14-ROX-070915	7/9/2015		34.06	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.00081 U	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW14-ROX-101315	10/13/2015		31.88	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW-14-ROX-010816	1/8/2016		31.64	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW14-ROX-041416	4/14/2016		31.32	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW14-ROX-071116	7/11/2016		30.59	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW14-ROX-101416	10/14/2016		29.62	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW14-ROX-011117	1/11/2017		29.61	NE	<0.025	0.0019	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW14-ROX-041317	4/13/2017	33.42 - 43.42	29.54	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001

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TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																	
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-16	MW16-ROX-071014	7/10/2014	37.06 - 47.06	43.15	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002 UJ	<0.001	<0.002 UJ	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW16-ROX-100714	10/7/2014		42.27	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW16-ROX-011315	1/13/2015		43.59	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW16-ROX-040915	4/9/2015		44.87	NE	<0.01 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW16-ROX-070915	7/9/2015		44.26	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.0003 U	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW16-ROX-070915-DUP	7/9/2015		44.26	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW16-ROX-100715	10/7/2015		41.83	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW16-ROX-011216	1/12/2016		41.99	NE	0.016 J	0.00092 J	<0.001	<0.025	<0.001	<0.001	<0.001	0.0015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW16-ROX-040816	4/8/2016		41.17	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW16-ROX-071216	7/12/2016		39.93	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW16-ROX-101116	10/11/2016		39.64	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW16-ROX-010917	1/9/2017		39.15	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW16-ROX-041417	4/14/2017	37.06 - 47.06	39.34	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
MW-22	MW22-ROX-071414	7/14/2014	37.88 - 47.88	41.85	NE	<0.01	1.74	<0.005	0.0185 J	0.0349 J	0.013 J	0.0137 J	<0.005	<0.001	<0.002	<0.001	<0.002	0.0085 J	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW22-ROX-101014	10/10/2014		41.43	NE	<0.1 UJ	1.62	<0.05	<0.05	0.0165 J	0.0066 J	0.0096 J	<0.05 UJ	<0.01 UJ	<0.02	<0.01	<0.02	0.0045 J	<0.000014	<0.000014	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
	MW22-ROX-011615	1/16/2015		42.19	NE	<0.1	1.51	<0.05	<0.05	0.0373 J	0.0133 J	0.0152 J	<0.05	<0.01	<0.02	<0.01	<0.02	0.0117 J	<0.000015	<0.000015	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
	MW22-ROX-041415	4/14/2015		43.71	NE	<0.01	1.62	<0.005	<0.005	0.0112	0.0105	0.0123	<0.005	<0.001	<0.002	<0.001	<0.002	0.0078	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW22-ROX-071515	7/15/2015		42.64	NE	<0.2	2.92	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.02	<0.04	<0.02	<0.04	<0.1	<0.000014	<0.000014	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04
	MW22-ROX-101415	10/14/2015		40.54	NE	<0.5	0.8	<0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.00003	<0.00002	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02
	MW22-ROX-011516	1/15/2016		40.42	NE	<0.5	1.2	<0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.000029	<0.00002	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02
	MW22-ROX-011516-DUP	1/15/2016		40.42	NE	<0.5	1.1	<0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.000029	<0.00002	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02
	MW22-ROX-041316	4/13/2016		39.56	NE	<0.63	1.2	<0.025	<0.63	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.00003	<0.00002	<0.025	<0.025	<0.025	<0.025	<0.13	<0.025
	MW22-ROX-041316-DUP	4/13/2016		39.56	NE	<0.63	1.2	<0.025	<0.63	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.000029	<0.00002	<0.025	<0.025	<0.025	<0.025	<0.13	<0.025
	MW22-ROX-071516	7/15/2016		38.97	NE	<0.13	0.061	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.000031	<0.00002	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005
	MW22-ROX-071516-DUP	7/15/2016		38.97	NE	<0.13	0.062	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00003	<0.00002	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005
	MW22-ROX-101716	10/17/2016		38.17	NE	<0.25	0.31	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00003	<0.00002	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
	MW22-ROX-101716-DUP	10/17/2016		38.17	NE	<0.25	0.31	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00003	<0.00002	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
	MW22-ROX-011217	1/12/2017		37.80	NE	<0.062 U	0.039	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.000031	<0.00002	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005
	MW22-ROX-011217-DUP	1/12/2017		37.80	NE	0.065 J	0.036	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00003	<0.00002	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005
	MW22-ROX-041717	4/17/2017	37.88 - 47.88	38.09	NE	<0.25	0.13	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000031	<0.00002	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
	MW22-ROX-041717-DUP	4/17/2017		38.09	NE	<0.25	0.14	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00003	<0.00002	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
MW-23	MW23-ROX-012615	1/26/2015	29.02 - 39.02	30.90	NE	<0.025	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.001	<0.002	<0.001	<0.000019	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW23-ROX-040815	4/8/2015		32.24	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW23-ROX-071015-BP	7/10/2015		30.54	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00029 U	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW23-ROX-100515	10/5/2015		28.89	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW-23-ROX-010716	1/7/2016		28.78	NE	0.014 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW-23-ROX-040616	4/6/2016		27.96	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW-23-ROX-070816	7/8/2016		27.54	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW23-ROX-BP-100716	10/7/2016		26.64	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW23-ROX-011017	1/10/2017		26.83	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW23-ROX-041117	4/11/2017	29.02 - 39.02	26.89	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																	
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-24	MW24-ROX-071114	7/10/2014	38.89 - 48.89	42.97	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW24-ROX-100814	10/8/2014		42.16	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW24-ROX-011315	1/13/2015		43.17	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW24-ROX-040915	4/9/2015		44.45	NE	<0.01 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW24-ROX-070915	7/9/2015		44.65	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.00019 U	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW24-ROX-100715	10/7/2015		41.45	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW24-ROX-011316	1/13/2016		41.44	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW24-ROX-040816	4/8/2016		40.79	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW24-ROX-071216	7/12/2016		39.67	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW24-ROX-101116	10/11/2016		39.19	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW24-ROX-010917	1/9/2017		38.97	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW24-ROX-041717	4/17/2017	38.89 - 48.89	39.27	NE	0.13	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
MW-25	MW25-ROX-102114	10/21/2014	35.59 - 45.59	36.44	NE	<20	501	<10	<10	<10	<10	<10	<10	<2	<4	<2	<4 UJ	<10	<0.000014	<0.000014	<2	<2	<2	<2	<4	<4
	MW25-ROX-012215	1/22/2015		38.45	NE	<2.5 UJ	62.8	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<0.25	<0.5	<0.25	<0.5	<1.3	<0.000014	<0.000014	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5
	MW25-ROX-042115	4/21/2015		39.71	NE	<0.5	78.7	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.05	<0.1	<0.05	<0.1	<0.25	<0.000014	<0.000014	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
	MW25-ROX-071515	7/15/2015		38.40	NE	<2	71.9	<1	<1	<1	<1	<1	<1	<0.2	<0.4	<0.2	<0.4	<1	<0.000014	<0.000014	<0.2	<0.2	<0.2	<0.2	<0.4	<0.4
	MW25-ROX-101915	10/19/2015		36.55	NE	<2.5	11	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.000031	<0.000021	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1
	MW25-ROX-011416	1/14/2016		36.12	NE	<0.5	2.2	<0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.000029	<0.00002	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02
	MW25-ROX-041916	4/19/2016		35.67	NE	<0.025	0.99	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW25-ROX-071816	7/18/2016		35.19	NE	<0.25	1.2	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000028	<0.000019	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
	MW25-ROX-100616	10/6/2016		34.27	NE	<0.05	0.37	<0.002	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.00003	<0.00002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002
	MW25-ROX-011117	1/11/2017		34.00	NE	<0.025	0.28	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW25-ROX-041117	4/11/2017	35.59 - 45.59	34.31	NE	<0.025	0.19	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
MW-26	MW26-ROX-102114	10/21/2014	38.15 - 48.15	39.43	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW26-ROX-011215	1/12/2015		41.09	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW26-ROX-040815	4/8/2015		42.52	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW26-ROX-070815	7/8/2015		41.76	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW26-ROX-100615	10/6/2015		39.19	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW26-ROX-010716	1/7/2016		39.55	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW26-ROX-040616	4/6/2016		38.44	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW26-ROX-071216	7/12/2016		37.74	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW26-ROX-101016	10/10/2016		37.13	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW26-ROX-010617	1/6/2017		36.74	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW26-ROX-041417	4/14/2017	38.15 - 48.15	36.91	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
MW-27	MW27-ROX-102114	10/21/2014	39.79 - 49.79	41.57	NE	<0.01	0.00033 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW27-ROX-011515	1/15/2015		42.06	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW27-ROX-041015	4/10/2015		43.22	NE	0.0027 J J	0.00035 J	<0.005	<0.005 UJ	<0.005	<0.005	<0.005 UJ	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW27-ROX-071015	7/10/2015		43.00	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW27-ROX-100815	10/8/2015		40.32	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW27-ROX-011316	1/13/2016		40.68	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW27-ROX-041116	4/11/2016		39.73	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW-27-ROX-071316	7/13/2016		38.94	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW27-ROX-101216	10/12/2016		38.50	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW27-ROX-011117	1/11/2017		38.05	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW27-ROX-041417	4/14/2017	39.79 - 49.79	38.70	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																	
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-28	MW28-ROX-102114	10/21/2014	33.61 - 43.61	36.44	NE	<0.01	0.0081	<0.005	<0.005	<0.005	0.00083 J	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002 UJ	0.00049 J	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW28-ROX-011515	1/15/2015		41.14	NE	<0.01	0.0541	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW28-ROX-041415	4/14/2015		42.34	NE	<0.01	0.0189	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW28-ROX-071515	7/15/2015		42.19	NE	<0.01	0.0668	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	MW28-ROX-101215	10/12/2015		40.04	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW28-ROX-101215-DUP	10/12/2015		40.04	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW28-ROX-011416	1/14/2016		39.98	NE	0.018 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW28-ROX-041216	4/12/2016		39.20	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW28-ROX-071416	7/14/2016		38.49	NE	<0.025	0.0098	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW28-ROX-101316	10/13/2016		37.86	NE	0.01 J	0.0066	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW28-ROX-011217	1/12/2017		37.14	NE	<0.025	0.14	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	MW28-ROX-041717	4/17/2017	33.61 - 43.61	38.02	NE	<0.025	0.017	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
P-54	P54-ROX-071114	7/10/2014	38.00 - 63.00	41.71	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P54-ROX-100814	10/8/2014		40.88	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P54-ROX-011415	1/14/2015		41.79	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P54-ROX-041015	4/10/2015		43.20	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005 UJ	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P54-ROX-070915	7/9/2015		42.25	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P54-ROX-100915	10/9/2015		40.20	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P54-ROX-011216	1/12/2016		40.22	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P54-ROX-041216	4/12/2016		39.42	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P54-ROX-071216	7/12/2016		38.44	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P54-ROX-101216	10/12/2016		37.85	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P54-ROX-010917	1/9/2017		37.80	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P54-ROX-041717	4/17/2017	38.00 - 63.00	38.10	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
P-56	P56-ROX-070814	7/8/2014	40.82 - 65.82	45.97	NE	0.0626 J	0.127 J	<0.005	0.0132 J	0.0159 J	0.0073 J	0.0034 J J	<0.005	<0.001	<0.002	<0.001	<0.002	0.0058 J	<0.000014	<0.000014	<0.001	<0.001	<0.001	0.0018 J	<0.002	<0.002
	P56-ROX-101314	10/13/2014		45.05	NE	<0.01 UJ	0.107	<0.005	<0.005	0.0062	0.004 J	0.0012 J	<0.005 UJ	<0.001 UJ	<0.002	<0.001	<0.002	0.0035 J	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P56-ROX-011915	1/19/2015		46.58	NE	<0.01	0.0991	<0.005	<0.005	0.004 J	0.0037 J	0.00077 J	0.004 J	<0.001	<0.002	<0.001	0.0045	0.003 J	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P56-ROX-041515	4/15/2015		48.05	NE	<0.01	0.0965	<0.005	<0.005	0.0028 J	0.0042 J	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	0.0033 J	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P56-ROX-071015	7/10/2015		47.34	NE	<0.01	0.0683	<0.005	<0.005	<0.005	0.0034 J	0.00068 J	<0.005	<0.001	<0.002	<0.001	<0.002	0.0027 J	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P56-ROX-101415	10/14/2015		44.85	NE	0.15	0.033	<0.001	0.034	0.0012	0.0018	<0.001	0.0011	<0.001	<0.001	0.0022	<0.001	0.0013	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P56-ROX-011116	1/11/2016		44.78	NE	0.069 J	0.03	<0.005	0.032 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.000031	<0.000021	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005
	P56-ROX-041416	4/14/2016		43.73	NE	<0.13	0.036	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00003	<0.00002	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005
	P56-ROX-071216	7/12/2016		42.87	NE	<0.05	0.024	<0.002	<0.05	<0.002	0.0021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.00003	<0.00002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002
	P56-ROX-101716	10/17/2016		42.35	NE	0.047	0.019	<0.001	0.014 J	0.0018	0.0022	0.00076 J	<0.001	<0.001	<0.001	<0.001	<0.001	0.0017	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P56-ROX-011217	1/12/2017		42.01	NE	<0.025	0.015	<0.001	<0.025	<0.001	0.0022	<0.001	0.0005 J	<0.001	<0.001	<0.001	<0.001	0.0017	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P56-ROX-040617	4/6/2017	40.82 - 65.82	42.46	NE	<0.025	0.012	<0.001	0.0097 J	<0.001	0.0022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0016	<0.000031 UJ	<0.00002 UJ	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																	
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
P-57	P57-ROX-070814	7/8/2014	40.46 - 65.46	45.95	NE	0.0497 J	378	<0.005 UJ	<0.005 UJ	0.011 J	0.0091 J	0.0066 J	<0.005 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	0.0081 J	<0.000014 UJ	<0.000014 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.002 UJ
	P57-ROX-070814-DUP	7/8/2014		45.95	NE	0.0441 J	371	<0.005 UJ	0.0086 J	0.0114 J	0.0097 J	0.007 J	<0.005 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	0.0085 J	<0.000015 UJ	<0.000015 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.002 UJ
	P57-ROX-101414-DUP	10/14/2014		45.00	NE	<20 UJ	220	<10	<10	<10	<10	<10	<10 UJ	<2 UJ	<4	<2	<4	<10	<0.000014	<0.000014	<2	<2	<2	<2	<4	<4
	P57-ROX-101414	10/14/2014		45.00	NE	<20 UJ	255	<10	<10	<10	<10	<10	<10 UJ	<2 UJ	<4	<2	<4	<10	<0.000014	<0.000014	<2	<2	<2	<2	<4	<4
	P57-ROX-012315	1/23/2015	44.19 - 54.19	47.52	NE	<5 UJ	107	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<1	<0.5	<1	<2.5	<0.000015	<0.000015	<0.5	<0.5	<0.5	<0.5	<1	<1
	P57-ROX-042015	4/20/2015		48.73	NE	<0.5	134	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25 UJ	<0.05	<0.1	<0.05	<0.1	<0.25	<0.000013	<0.000013	<0.05	<0.05	<0.05	<0.05	<0.1 UJ	<0.1
	P57-ROX-071315	7/13/2015		47.81	NE	<10	138	<5	<5	<5	<5	<5	0.852 J	<1	<2	<1	<2	<5	<0.000014	<0.000014	<1	<1	<1	<1	<2	<2
	P57-ROX-101515	10/15/2015		45.56	NE	<25	140	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.000029	<0.000019	<1	<1	<1	<1	<5	<1
	P57-ROX-011216	1/12/2016		45.61	NE	<25	160	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.000029	<0.000019	<1	<1	<1	<1	<5	<1
	P57-ROX-041816	4/18/2016		44.80	NE	<6.3	73	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.000054 p	<0.000019	<0.25	<0.25	<0.25	<0.25	<1.3	<0.25
	P57-ROX-071316	7/13/2016		44.02	NE	<13	70	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.000029	<0.000019	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5
	P57-ROX-101816	10/18/2016		43.17	NE	<13	71	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.000031	<0.000021	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5
	P57-ROX-011617	1/16/2017		42.82	NE	<6.3	39	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.00003	<0.00002	<0.25	<0.25	<0.25	<0.25	<1.3	<0.25
	P57-ROX-040717	4/7/2017	44.19 - 54.19	43.05	NE	<5	45	<0.2	<5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.00003 UJ	<0.00002 UJ	<0.2	<0.2	<0.2	<0.2	<1	<0.2
P-58	P58-ROX-071814	7/18/2014	40.21 - 65.21	43.80	NE	<20	406	<10	<10	<10	<10	<10	<10	<2	<4	<2	<4	<10	<0.000014	<0.000014	<2	<2	<2	<2	<4	<4
	P58-ROX-101514	10/15/2014		43.14	NE	<5	493	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<1	<0.5	<1	<2.5	<0.000014	<0.000014	<0.5	<0.5	<0.5	<0.5	<1	<1
	P58-ROX-012315	1/23/2015		45.32	NE	<10	304	<5	<5	<5	<5	<5	<5	<1	<2	<1	<2	<5	<0.000015	<0.000015	<1	<1	<1	<1	<2	<2
	P58-ROX-042015	4/20/2015		46.67	NE	<0.1	325	<0.05	<0.05	0.0087 J	0.0094 J	0.0242 J	<0.05 UJ	<0.01	<0.02	<0.01	<0.02	0.0051 J	<0.000016	<0.000016	<0.01	<0.01	<0.01	<0.01	<0.02 UJ	<0.02
	P58-ROX-071415	7/14/2015		45.54	NE	<10	266	<5	<5	<5	<5	<5	<5	<1	<2	<1	<2	<5	<0.000014	<0.000014	<1	<1	<1	<1	<2	<2
	P58-ROX-101615	10/16/2015		43.45	NE	<50	430	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.000029	<0.000019	<2	<2	<2	<2	<10	<2
	P58-ROX-011316	1/13/2016		43.18	NE	<50	510	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.000029	<0.00002	<2	<2	<2	<2	<10	<2
	P58-ROX-041816	4/18/2016		42.68	NE	<25	440	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.000028	<0.000019	<1	<1	<1	<1	<5	<1
	P58-ROX-071516	7/15/2016		42.05	NE	<50	250	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.00003	<0.00002	<2	<2	<2	<2	<10	<2
	P58-ROX-101816	10/18/2016		41.05	NE	<50	340	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.000031	<0.00002	<2	<2	<2	<2	<10	<2
	P58-ROX-011617	1/16/2017		40.73	NE	<25	260	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.00003	<0.00002	<1	<1	<1	<1	<5	<1
	P58-ROX-041117	4/11/2017	40.21 - 65.21	40.74	NE	<13	320	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.000031 UJ	<0.000021 UJ	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5
P-59	P59-ROX-070814	7/8/2014	47.91 - 72.91	47.69	NE	0.057 J	12.2	<0.005	0.0169 J	0.0251 J	0.0073 J	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	0.0046 J J	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P59-ROX-101414	10/14/2014		46.18	NE	<0.01 UJ	12	<0.005	<0.005	0.0278 J	0.0097 J	0.0024 J J	<0.005 UJ	<0.001 UJ	<0.002	<0.001	<0.002	0.0043 J J	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P59-ROX-011915	1/19/2015		47.42	NE	<1	13.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.2	<0.1	<0.2	<0.5	<0.000015	<0.000015	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2
	P59-ROX-041615	4/16/2015		48.83	NE	<0.1 UJ	9.43	<0.05	<0.05 UJ	<0.05	<0.05	<0.05	<0.05	<0.01	<0.02	<0.01	<0.02	<0.05	<0.000014	<0.000014	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
	P59-ROX-071315	7/13/2015		47.85	NE	<0.25	3.08	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.025	<0.05	<0.025	<0.05	<0.13	<0.000014	<0.000014	<0.025	<0.025	<0.025	<0.025	<0.05	<0.05
	P59-ROX-101515	10/15/2015		45.75	NE	<1.3	7.2	<0.05	<1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.000029	<0.000019	<0.05	<0.05	<0.05	<0.05	<0.25	<0.05
	P59-ROX-011216	1/12/2016		46.10	NE	<0.63	5.4	<0.025	<0.63	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.000029	<0.000019	<0.025	<0.025	<0.025	<0.025	<0.13	<0.025
	P59-ROX-041816	4/18/2016		44.28	NE	<0.5	4.9	<0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.000031	<0.000021	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02
	P59-ROX-071316	7/13/2016		44.01	NE	<0.63	4.2	<0.025	<0.63	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.000029	<0.00002	<0.025	<0.025	<0.025	<0.025	<0.13	<0.025
	P59-ROX-101816	10/18/2016		43.39	NE	<1.3	8.7	<0.05	<1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.000031	<0.000021	<0.05	<0.05	<0.05	<0.05	<0.25	<0.05
	P59-ROX-011617	1/16/2017		42.83	NE	<1.3	7.6	<0.05	<1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.000031	<0.00002	<0.05	<0.05	<0.05	<0.05	<0.25	<0.05
	P59-ROX-040717	4/7/2017	47.91 - 72.91	43.31	NE	<1.3	7.6	<0.05	<1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.000031 UJ	<0.000021 UJ	<0.05	<0.05	<0.05	<0.05	<0.25	<0.05

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TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																	
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
				Screening Values (mg/L)		6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
P-66	P66-ROX-070714	7/7/2014	34.72 - 59.72	35.60	NE	<0.01 UJ	0.0429	<0.005	<0.005	0.0112	0.0147	0.0023 J	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P66-ROX-101414	10/14/2014		34.48	NE	<0.01 UJ	0.0212	<0.005	<0.005	0.0135	0.0173	0.0036 J	<0.005	<0.001 UJ	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P66-ROX-011615	1/16/2015		36.62	NE	<0.01	0.0083	<0.005	<0.005	0.0162	0.021	0.0048 J	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P66-ROX-011615-DUP	1/16/2015		36.62	NE	<0.01	0.0076	<0.005	<0.005	0.0147	0.0198	0.0045 J	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P66-ROX-041415	4/14/2015		38.27	NE	<0.01	0.0223	<0.005	<0.005	0.0127	0.0181	0.0039 J	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P66-ROX-041415-DUP	4/14/2015		38.27	NE	<0.01	0.0214	<0.005	<0.005	0.0124	0.0177	0.004 J	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P66-ROX-070815	7/8/2015		37.24	NE	<0.01 UJ	0.0404	<0.005	<0.005 UJ	0.0124	0.0164	0.0027 J	<0.005	0.00035 J	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P66-ROX-070815-DUP	7/8/2015		37.24	NE	<0.01 UJ	0.0424	<0.005	<0.005 UJ	0.0126	0.0167	0.0027 J	<0.005	0.00038 J	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P66-ROX-101315	10/13/2015		34.84	NE	<0.025	0.0094	<0.001	<0.025	<0.001	0.008	0.0023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P-66-ROX-010816	1/8/2016		34.64	NE	<0.025	0.0013	<0.001	<0.025	<0.001	0.01	0.0019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P66-ROX-041516	4/15/2016		34.33	NE	0.015 J	0.0044	<0.001	<0.025	0.0052	0.0088	0.0026	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P66-ROX-071116	7/11/2016		33.58	NE	<0.025	0.0037	<0.001	<0.025	0.0071	0.012	0.0028	<0.001	0.00054 J	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P66-ROX-101416	10/14/2016		32.61	NE	<0.025	0.0069	<0.001	0.0049 J	0.004	0.0076	0.0038	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P66-ROX-011117	1/11/2017		32.41	NE	<0.025	0.0058	<0.001	<0.025	0.0057	0.01	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P66-ROX-041317	4/13/2017	34.72 - 59.72	32.19	NE	0.012 J	0.00094 J	<0.001	<0.025	0.0054	0.01	0.0028	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031 UJ	<0.00002 UJ	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
P-74	P74-ROX-070814	7/8/2014	44.43 - 69.43	43.02	NE	<0.01 UJ	0.309	<0.005	<0.005	0.0138	0.0014 J	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	0.0018 J	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P74-ROX-101414	10/14/2014		41.48	NE	<0.01 UJ	0.00068	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001 UJ	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P74-ROX-011915	1/19/2015		43.47	NE	<0.01	3.13	<0.005	<0.005	0.0163	0.0022 J	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	0.0029 J	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P74-ROX-041515	4/15/2015		44.61	NE	<0.01	0.032	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	0.00033 J	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P74-ROX-071015	7/10/2015		43.28	NE	0.011	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P74-ROX-101415	10/14/2015		41.75	NE	0.31	1.2	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.000029	<0.000019	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005
	P74-ROX-011116	1/11/2016		40.67	NE	0.023 J	0.0013	<0.001	0.003 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P74-ROX-041516	4/15/2016		40.40	NE	0.016 J	0.028	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P74-ROX-071216	7/12/2016		39.56	NE	<0.025	0.023	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P74-ROX-101416	10/14/2016		39.44	NE	<0.025	0.017	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P74-ROX-011217	1/12/2017		38.64	NE	<0.025	0.077	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P74-ROX-040717	4/7/2017	44.43 - 69.43	38.92	NE	<0.025	0.00041 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																	
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
P-93A	P93A-ROX-071814	7/18/2014	48.17 - 63.17	45.70	NE	<10	170	<5	<5	<5	<5	<5	<5	<1	<2	<1	<2	<5	<0.000015	<0.000015	<1	<1	<1	<1	<2	<2
	P93A-ROX-071814-DUP	7/18/2014		45.70	NE	<10	174	<5	<5	<5	<5	<5	<5	<1	<2	<1	<2	<5	<0.000014	<0.000014	<1	<1	<1	<1	<2	<2
	P93A-ROX-101514	10/15/2014		45.06	NE	<5	293	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<1	<0.5	<1	<2.5	<0.000014	<0.000014	<0.5	<0.5	<0.5	<0.5	<1	<1
	P93A-ROX-101514-DUP	10/15/2014		45.06	NE	<5	277	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<1	<0.5	<1	<2.5	<0.000014	<0.000014	<0.5	<0.5	<0.5	<0.5	<1	<1
	P93A-ROX-012715	1/27/2015	43.07 - 53.07	46.05	NE	<0.025 UJ	168	<0.001 UJ	<0.005 UJ	0.0023 J	0.0069 J	0.0186 J	<0.002 UJ	<0.001 UJ	0.00078 J J	<0.001 UJ	<0.002 UJ	0.0064 J	<0.000019 UJ	<0.000019 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.005 UJ	<0.001 UJ
	P93A-ROX-041715	4/17/2015		47.02	NE	<0.01	139	<0.005	<0.005	0.00077 J	0.0048 J	0.014	<0.005 UJ	<0.001	<0.002	<0.001	<0.002	0.0036 J	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002 UJ	<0.002
	P93A-ROX-071315	7/13/2015		45.93	NE	<1	315	<0.5	<0.5	<0.5	<0.5	<0.5	0.0476 J	<0.1	<0.2	<0.1	<0.2	<0.5	<0.000014	<0.000014	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2
	P93A-ROX-101515	10/15/2015		43.69	NE	<25	260	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.00003	<0.00002	<1	<1	<1	<1	<5	<1
	P93A-ROX-101515-DUP	10/15/2015		43.69	NE	<25	250	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.000029	<0.000019	<1	<1	<1	<1	<5	<1
	P-93A-ROX-011216	1/12/2016		43.73	NE	<50	430	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.00003	<0.00002	<2	<2	<2	<2	<10	<2
	P-93A-ROX-011216-DUP	1/12/2016		43.73	NE	<50	450	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.000029	<0.000019	<2	<2	<2	<2	<10	<2
	P93A-ROX-041916	4/19/2016		43.08	NE	<6.3	66	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.000028	<0.000019	<0.25	<0.25	<0.25	<0.25	<1.3	<0.25
	P93A-ROX-041916-DUP	4/19/2016		43.08	NE	<6.3	70	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.00003	<0.00002	<0.25	<0.25	<0.25	<0.25	<1.3	<0.25
	P93A-ROX-071316	7/13/2016		42.20	NE	<2.5	18	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00003	<0.00002	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1
	P93A-ROX-071316-DUP	7/13/2016		42.20	NE	<2.5	20	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00003	<0.00002	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1
	P93A-ROX-101816	10/18/2016		41.35	NE	<0.5	2.6	<0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.000031	<0.00002	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02
	P93A-ROX-101816-DUP	10/18/2016		41.35	NE	<0.5	3.3	<0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.00003	<0.00002	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02
	P93A-ROX-011217	1/12/2017		41.04	NE	<0.13	0.51 J	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00003	<0.00002	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005
	P93A-ROX-011217-DUP	1/12/2017		41.04	NE	<0.13	0.69 J	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00003	<0.00002	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005
	P93A-ROX-040717	4/7/2017	43.07 - 53.07	41.26	NE	<0.05	0.72	<0.002	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.00003	<0.00002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002
	P93A-ROX-040717-DUP	4/7/2017		41.26	NE	<0.05	0.68	<0.002	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000031	<0.000021	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002
P-93B	P93B-ROX-071714	7/17/2014	74.60 - 76.60	45.75	NE	<0.01 UJ	172	<0.005 UJ	<0.005 UJ	<0.005 UJ	<0.005 UJ	0.00042 J J	<0.005 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	<0.005 UJ	<0.000014 UJ	<0.000014 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.002 UJ
	P93B-ROX-101514	10/15/2014		45.15	NE	<5 UJ	241	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5 UJ	<0.5	<1	<0.5	<1	<2.5	<0.000014	<0.000014	<0.5	<0.5	<0.5	<0.5	<1	<1
	P93B-ROX-012315	1/23/2015		47.24	NE	<10	564	<5	<5	<5	<5	<5	<5	<1	<2	<1	<2	<5	<0.000014	<0.000014	<1	<1	<1	<1	<2	<2
	P93B-ROX-012315-DUP	1/23/2015		47.24	NE	<10	623	<5	<5	<5	<5	<5	<5	<1	<2	<1	<2	<5	<0.000015	<0.000015	<1	<1	<1	<1	<2	<2
	P93B-ROX-021915	2/19/2015		47.24	NE	<250	625	<0.5	<2.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<1	<0.5	<0.000019	<0.000019	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5
	P93B-ROX-041615	4/16/2015		48.42	NE	<0.01 UJ	400	<0.005	<0.005 UJ	<0.005	<0.005	0.001 J	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P93B-ROX-041615-DUP	4/16/2015		48.42	NE	<10 UJ	388	<5	<5 UJ	<5	<5	<5	<5	<1	<2	<1	<2	<5	<0.000014	<0.000014	<1	<1	<1	<1	<2	<2
	P93B-ROX-070915	7/9/2015		47.74	NE	<50 UJ	497 J	<25	<25 UJ	<25	<25	<25	<25	<5	<10	<5	<10	<25	<0.000014	<0.000014	<5	<5	<5	<5	<10	<10
	P93B-ROX-070915-DUP	7/9/2015		47.74	NE	<20 UJ	371 J	<10	<10 UJ	<10	<10	<10	<10	<2	<4	<2	<4	<10	<0.000014	<0.000014	<2	<2	<2	<2	<4	<4
	P93B-ROX-101515	10/15/2015		45.18	NE	<63	1200	<2.5	<63	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.000032	<0.000021	<2.5	<2.5	<2.5	<2.5	<13	<2.5
	P93B-ROX-011316	1/13/2016		44.96	NE	<25	280	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.000029	<0.000019	<1	<1	<1	<1	<5	<1
	P93B-ROX-041916	4/19/2016		44.54	NE	<25	240	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.000029	<0.000019	<1	<1	<1	<1	<5	<1
	P93B-ROX-071516	7/15/2016		43.65	NE	<25	100	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.00003	<0.00002	<1	<1	<1	<1	<5	<1
	P93B-ROX-101816	10/18/2016		42.73	NE	<13	86	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.000031	<0.00002	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5
	P93B-ROX-011017	1/10/2017		42.41	NE	<13	87	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.000031	<0.00002	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5
	P93B-ROX-011017-DUP	1/10/2017		42.41	NE	<13	88	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.000031	<0.00002	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5
	P93B-ROX-040617	4/6/2017	74.60 - 76.60	42.59	NE	<13	79	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.00003 UJ	<0.00002 UJ	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5

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TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																	
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
P-93C	P93C-ROX-071714	7/17/2014	94.26 - 96.26	45.61	NE	<0.01	1.52	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P93C-ROX-101514	10/15/2014		44.99	NE	<0.01	0.00075	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P93C-ROX-011915	1/19/2015	92.47 - 97.47	48.22	NE	<1	102	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.2	<0.1	<0.2	<0.5	<0.000015	<0.000015	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2
	P93C-ROX-021915	2/19/2015		48.22	NE	<25	75.4	<1	<5	<1	<1	<1	<2	<1	<2	<1	<2	<1	<0.000019	<0.000019	<1	<1	<1	<1	<5	<1
	P93C-ROX-041615	4/16/2015		48.22	NE	<1 UJ	55.3	<0.5	<0.5 UJ	<0.5	<0.5	<0.5	<0.5	<0.1	<0.2	<0.1	<0.2	<0.5	<0.000014	<0.000014	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2
	P93C-ROX-071315	7/13/2015		47.09	NE	<0.01	0.0365	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00025 U	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P93C-ROX-101415	10/14/2015		44.91	NE	<0.025	0.011	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P-93C-ROX-010816	1/8/2016		44.68	NE	<0.025	0.04	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P93C-ROX-041816	4/18/2016		44.06	NE	<0.025	0.068	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P93C-ROX-071216	7/12/2016		43.37	NE	0.016 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P93C-ROX-101816	10/18/2016		42.49	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P93C-ROX-011117	1/11/2017		42.20	NE	<0.025	0.00095 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P93C-ROX-040517	4/5/2017	92.47 - 97.47	42.19	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
P-93D	P93D-ROX-071714	7/17/2014	125.75 - 127.75	45.78	NE	<0.01	0.00063	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P93D-ROX-101514	10/15/2014		45.14	NE	<0.1	36.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.02	<0.01	<0.02	<0.05	<0.000014	<0.000014	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
	P93D-ROX-110414	11/4/2014		45.14	NE	<0.01	19.9	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	0.0079
	P93D-ROX-012315	1/23/2015		42.28	NE	<2.5 UJ	62.6	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<0.25	<0.5	<0.25	<0.5	<1.3	<0.000015	<0.000015	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5
	P93D-ROX-021915	2/19/2015		42.28	NE	<130	240	<2.5	<13	<2.5	<2.5	<2.5	<5	<2.5	<5	<2.5	<5	<2.5	<0.000019	<0.000019	<2.5	<2.5	<2.5	<2.5	<13	<2.5
	P93D-ROX-042015	4/20/2015		48.52	NE	<1	131	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 UJ	<0.1	<0.2	<0.1	<0.2	<0.5	<0.000014	<0.000014	<0.1	<0.1	<0.1	<0.1	<0.2 UJ	<0.2
	P93D-ROX-070915	7/9/2015		47.96	NE	<5 UJ	21.2	<2.5	<2.5 UJ	<2.5	<2.5	<2.5	<2.5	<0.5	<1	<0.5	<1	<2.5	<0.000014	<0.000014	<0.5	<0.5	<0.5	<0.5	<1	<1
	P93D-ROX-101515	10/15/2015		45.28	NE	<2.5	15	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00003	<0.00002	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1
	P93D-ROX-011316	1/13/2016		45.10	NE	<2.5	14	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.000033	<0.000022	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1
	P93D-ROX-041916	4/19/2016		44.61	NE	<1.3	9.5	<0.05	<1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.000029	<0.000019	<0.05	<0.05	<0.05	<0.05	<0.25	<0.05
	P93D-ROX-071516	7/15/2016		43.83	NE	<0.025	0.086	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P93D-ROX-101716	10/17/2016		42.78	NE	<0.025	0.023	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P93D-ROX-011017	1/10/2017		42.59	NE	<0.025	0.14	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P93D-ROX-040617	4/6/2017	125.75 - 127.75	42.80	NE	<0.025	0.07	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	0.001
P-114	P114-ROX-071814	7/18/2014	32.67 - 52.67	30.87	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P114-ROX-101714	10/17/2014		29.43	NE	<0.01	<0.0005	<0.005	<0.005	0.0052 J	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	0.0006 J J	<0.002
	P114-ROX-012115	1/21/2015		31.53	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P114-ROX-041715	4/17/2015		NM	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	P114-ROX-070815	7/8/2015		29.16	NE	<0.01 UJ	<0.0005	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	0.0015 J	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
P-114R	P114R-ROX-100515	10/5/2015	23.01 - 33.01	28.15	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P114R-ROX-010716	1/7/2016			NE	<0.025	0.0004 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P114R-ROX-040816	4/8/2016			NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P114R-ROX-070816	7/8/2016			NE	0.017 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P114R-ROX-100716	10/7/2016		23.89	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P114R-ROX-010617	1/6/2017		24.81	NE	0.073	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	P114R-ROX-041317	4/13/2017	23.01 - 33.01	25.05	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																	
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
ROST-3-MW	ROST3MW-ROX-071414	7/14/2014	37.81 - 47.81	41.88	NE	<0.01	0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000015	<0.000015	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	ROST3MW-ROX-100914	10/9/2014		41.31	NE	<0.01 UJ	0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	ROST3MW-ROX-011515	1/15/2015		41.83	NE	<0.01	0.0022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	ROST3MW-ROX-041315	4/13/2015		43.43	NE	0.0251 J	0.0057	<0.005	<0.005	<0.005	<0.005 UJ	<0.005 UJ	0.00037 J	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	ROST3MW-ROX-071315	7/13/2015		42.36	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00066 U	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	ROST3MW-ROX-101215	10/12/2015		40.29	NE	0.017 J	<0.001	<0.001	0.0064 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	ROST3MW-ROX-011416	1/14/2016		40.30	NE	<0.025	0.0012	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	ROST3MW-ROX-041216	4/12/2016		39.69	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	ROST3MW-ROX-071416	7/14/2016		38.70	NE	<0.025	0.0017	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	ROST3MW-ROX-101316	10/13/2016		38.19	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	ROST3MW-ROX-011117	1/11/2017		37.50	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	ROST3MW-ROX-041417	4/14/2017	37.81 - 47.81	38.07	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
ROST-4-PZ(C)	ROST4C-ROX-071114	7/10/2014	34.95 - 44.95	42.22	NE	<0.01 UJ	0.0751	<0.005	<0.005 UJ	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	ROST4PZC-ROX-100914	10/9/2014		41.30	NE	<0.01 UJ	0.039	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	ROST4PZC-ROX-011515	1/15/2015		41.65	NE	0.016	0.0013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	ROST4PZC-ROX-041315	4/13/2015		43.00	NE	<0.01	0.0694	<0.005	<0.005	<0.005	<0.005 UJ	<0.005 UJ	<0.005	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	ROST4PZ-ROX-071315	7/13/2015		42.59	NE	<0.01	0.0683	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0011 U	<0.001	<0.002	<0.001	<0.002	<0.005	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	ROST4PZC-ROX-101215	10/12/2015		40.35	NE	0.022 J	0.071	<0.001	0.0097 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	ROST4PZC-ROX-011516	1/15/2016		40.54	NE	<0.05	0.059	<0.002	<0.05	<0.002	<0.002	<0.002	0.001 J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000029	<0.000019	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002
	ROST4PZC-ROX-041316	4/13/2016		39.61	NE	<0.05	0.05	<0.002	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000029	<0.000019	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002
	ROST4PZC-ROX-071516	7/15/2016		38.93	NE	<0.05	0.044	<0.002	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000031	<0.000021	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002
	ROST4PZC-ROX-101316	10/13/2016		38.45	NE	<0.05	0.025	<0.002	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000031	<0.00002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002
	ROST4PZC-ROX-011217	1/12/2017		37.88	NE	<0.025	0.021	<0.001	<0.025	<0.001	<0.001	<0.001	0.0012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001
	ROST4PZC-ROX-041717	4/17/2017	34.95 - 44.95	38.36	NE	<0.05	0.025	<0.002	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.00003	<0.00002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Acetone	Benzene	Bromobenzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane
				Screening Values (mg/L)		6.3 [1]	0.005 [1]	0.056 [3]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]		0.07 [1]			0.0002 [1]	0.00005 [1]	0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
T-12	T12-ROX-070814	7/8/2014	46.72 - 72.72	45.13	NE	0.0658 J	2.1	<0.005	0.0094	0.0096	0.0039 J	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	0.0024 J	<0.000014	<0.000014	<0.001	<0.001	<0.001	0.0022	<0.002	<0.002
	T12-ROX-101714	10/17/2014		44.40	NE	<0.1	1.83	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.02	<0.01	<0.02	<0.05	<0.000014	<0.000014	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
	T12-ROX-011915	1/19/2015	46.83 - 72.83	45.27	NE	<0.1	2.02	<0.05	<0.05	0.0115 J	<0.05	<0.05	<0.05	<0.01	<0.02	<0.01	<0.02	<0.05	<0.000015	<0.000015	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
	T12-ROX-041515	4/15/2015		46.73	NE	<0.01	1.69	<0.005	<0.005	0.0094	0.0045 J	<0.005	<0.005	<0.001	<0.002	<0.001	<0.002	0.0025 J	<0.000014	<0.000014	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
	T12-ROX-071015	7/10/2015		46.09	NE	<0.1	2.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.02	<0.01	<0.02	<0.05	<0.000014	<0.000014	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
	T12-ROX-101515	10/15/2015		43.72	NE	<0.25	2.5	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000029	<0.000019	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
	T12-ROX-011216	1/12/2016		44.13	NE	<0.25	1.5	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00003	<0.00002	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
	T12-ROX-041516	4/15/2016		42.07	NE	<0.13	1.4	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00003	<0.00002	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005
	T12-ROX-071216	7/12/2016		41.50	NE	<0.25	1.6	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000029	<0.00002	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
	T12-ROX-101716	10/17/2016		41.19	NE	<0.25	1.7	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0065 J	<0.01	<0.01	<0.000031	<0.00002	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
	T12-ROX-011217	1/12/2017		40.70	NE	<0.25	1.5	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000031	<0.000021	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
	T12-ROX-040617	4/6/2017	46.83 - 72.83	41.18	NE	<0.25	1.4	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00003 UJ	<0.00002 UJ	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)	0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-01	MW1-ROX-070914	7/9/2014	48.80 - 58.80	42.09	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	0.0035	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-100614	10/6/2014		41.1	NE	<0.001	<0.005	<0.005	<0.005	<0.005 UJ	0.00082 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW1-ROX-011215	1/12/2015		42.73	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.00084 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-040615	4/6/2015		44.11	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.00059 J	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-070815	7/8/2015		43.35	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-100615	10/6/2015		40.83	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW1-ROX-010816	1/8/2016		40.93	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.00078 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW1-ROX-041216	4/12/2016		40.35	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW1-ROX-071416	7/14/2016		39.43	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	0.0014	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	0.0016 J
	MW1-ROX-101316	10/13/2016		38.79	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW-1-ROX-011217	1/12/2017		38.35	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW1-ROX-041717	4/17/2017	48.80 - 58.80	38.50	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
MW-02	MW2-ROX-071414	7/14/2014	49.87 - 59.87	43.13	NE	0.955	<0.005	<0.005	0.0966 J	<0.005	<0.001	0.0792 J	0.112 J	<0.005	<0.001	0.0113 J	<0.005	<0.005	<0.001	0.341 J	0.15 J	<0.005	0.764	0.0845	0.804
	MW2-ROX-101014	10/10/2014		42.49	NE	0.386 J	<0.01	<0.01 UJ	0.0675	<0.01 UJ	<0.002	0.0512	0.0867	<0.01	<0.002	0.006	<0.01	<0.01	<0.002	0.135	0.0901	<0.01	0.26 J	0.0183	0.278 J
	MW2-ROX-011615	1/16/2015		44.1	NE	0.358	0.0031 J	0.0039 J	0.0823	0.0061	<0.001	0.0626	0.107	0.00052 J	<0.001	0.0121	0.0051	0.0044 J	0.0015	0.0895	0.102	<0.005	0.207	0.0206	0.228
	MW2-ROX-041315	4/13/2015		45.56	NE	0.547	<0.005	<0.005	0.0613 J	<0.005	0.0013	0.068 J	0.0802 J	<0.005	<0.001	0.0103	<0.005	<0.005	<0.001	0.185 J	0.0882	<0.005	0.549	0.0495	0.598
	MW2-ROX-071315	7/13/2015		44.53	NE	0.984	<0.005	<0.005	0.0683	<0.005	<0.001	0.0878	0.0983	<0.005	<0.001	0.0103	<0.0015 U	<0.005	<0.001	0.206	0.109	<0.005	0.719	0.0689	0.78
	MW2-ROX-101215	10/12/2015		42.15	NE	0.42	<0.01	<0.05	0.082	<0.05	<0.002	0.039	0.088	<0.002	<0.002	0.013	<0.002	<0.002	<0.002	0.1	0.09	<0.05	0.26	0.023	0.28
	MW2-ROX-011416	1/14/2016		42.04	NE	0.22	<0.01	<0.05	0.049	<0.05	<0.002	0.027	0.063	<0.002	<0.002	0.012	<0.002	<0.002	<0.002	0.05	0.072	<0.05	0.11	0.01	0.12
	MW2-ROX-041316	4/13/2016		41.59	NE	0.33	<0.01	<0.05	0.075	<0.05	<0.002	0.029	0.099	<0.002	<0.002	0.018	<0.002	<0.002	<0.002	0.077	0.1	<0.05	0.23	0.017	0.24
	MW2-ROX-071416	7/14/2016		40.79	NE	0.26	<0.01	<0.05	0.079	<0.05	<0.002	0.048	0.095	<0.002	<0.002	0.016	<0.002	<0.002	<0.002	0.079	0.1	<0.05	0.16	0.021	0.18
	MW2-ROX101316	10/13/2016		40.10	NE	0.13	<0.005	<0.025	0.036	<0.025	<0.001	0.016	0.044	<0.001	<0.001	0.01	<0.001	<0.001	<0.001	0.017	0.044	<0.025	0.056	0.0057	0.061
	MW2-ROX-011217	1/12/2017		39.58	NE	0.097	<0.005	<0.025	0.055	<0.025	<0.001	0.015	0.07	<0.001	<0.001	0.013	<0.001	<0.001	<0.001	0.031	0.073	<0.025	0.051	0.0062	0.057
	MW2-ROX-041717	4/17/2017	49.87 - 59.87	39.68	NE	0.62	<0.025	<0.13	0.075	<0.13	<0.005	0.053	0.094	<0.005	<0.005	0.012	<0.005	<0.005	<0.005	0.12	0.088	<0.13	0.35	0.028	0.38
MW-03	MW3-ROX-071114	7/10/2014	34.67 - 44.67	29.05	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW3-ROX-100914	10/9/2014		28.18	NE	<0.001	<0.005	<0.005	0.0004 J	<0.005	0.003 J	<0.005	0.00053 J	<0.005	<0.001	0.00046 J	<0.005	<0.005	<0.001	0.0012 J	<0.005	<0.005 UJ	0.00095 J	<0.001	<0.00095 U
	MW3-ROX-011515	1/15/2015		29.65	NE	0.00039 J	<0.005	<0.005	0.00065 J	<0.005	0.0101	<0.005	0.0018 J	<0.005	<0.001	0.00062 J	<0.005	<0.005	<0.001	0.00071 J	0.00031 J	<0.005	0.0014	<0.001	0.0015
	MW3-ROX-041015	4/10/2015		31.16	NE	<0.001	<0.005 UJ	<0.005 UJ	<0.005	<0.005	0.0012	<0.005 UJ	0.00042 J	<0.005	<0.001	<0.001	<0.005 UJ	<0.005 UJ	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	0.00046 J
	MW3-ROX-071015	7/10/2015		30.01	NE	0.00039 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	0.00062 J	<0.005	<0.001	0.0014	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.00087 J	<0.001	0.00087 J
	MW3-ROX-100915	10/9/2015		27.98	NE	0.0011	<0.005	<0.025	0.007	<0.025	<0.001	<0.001	0.0036	<0.001	<0.001	0.015	<0.001	<0.001	<0.001	<0.001	0.00073 J	<0.025	0.055	0.0028 J	0.058
	MW3-ROX-010716	1/7/2016		27.92	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.008	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW3-ROX-040616	4/6/2016		27.07	NE	0.0031	<0.005	<0.025	0.014	<0.025	0.0097	<0.001	0.025	<0.001	<0.001	0.039	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.1	0.006	0.11
	MW3-ROX-070816	7/8/2016		26.51	NE	0.0012	<0.005	<0.025	0.016	<0.025	0.0054	<0.001	0.034	<0.001	<0.001	0.014	<0.001	<0.001	<0.001	<0.001	0.00062 J	<0.025	0.076	0.0042 J	0.08
	MW3-ROX100716	10/7/2016		25.79	NE	<0.001	<0.005	<0.025	0.0042	<0.025	0.0036	<0.001	0.0085	<0.001	<0.001	0.0025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0089	0.001 J	0.01
	MW3-ROX-010617	1/6/2017		25.65	NE	0.0035	<0.005	<0.025	0.019	<0.025	0.0051	<0.001	0.045	<0.001	<0.001	0.039	<0.001	<0.001	<0.001	<0.001	0.00072 J	<0.025	0.12	0.0081	0.12
	MW3-ROX-041117	4/11/2017	34.67 - 44.67	25.71	NE	0.0011	<0.005	<0.025	0.0098	<0.025	0.0035	<0.001	0.02	<0.001	<0.001	0.019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.086	0.0053	0.091

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)	0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-04	MW4-ROX-071614	7/16/2014	46.06 - 56.06	40.18	NE	<0.01	<0.005	<0.005	<0.05	<0.005	<0.001	<0.05 UJ	<0.05	<0.005	<0.001	0.006 J	<0.005	<0.005	<0.001	<0.05	<0.05	<0.005	<0.01	<0.01	0.0055 J
	MW4-ROX-101614	10/16/2014		39.49	NE	<0.005	<0.025	<0.025	0.0026 J	<0.025	0.0379	<0.025	<0.025	<0.025	<0.005	<0.005	<0.025 UJ	<0.025	<0.005	0.0037 J	<0.025	<0.025 UJ	0.0086	0.0022 J	0.0108
	MW4-ROX-012115	1/21/2015		41.27	NE	<0.001	<0.005	<0.005	0.0012 J	<0.005	0.0536	<0.005	0.00093 J	<0.005	<0.001	0.0024	<0.005	<0.005	<0.001	0.00045 J	<0.005	<0.005	0.006	0.0013	0.0074
	MW4-ROX-042115	4/21/2015	45.06 - 55.06	42.58	NE	0.00051 J	<0.005	<0.005	0.0012 J	<0.005	<0.001	<0.005 UJ	0.0013 J	<0.005	<0.001	0.0024	<0.005	<0.005	<0.001	0.00045 J	<0.005	<0.005	0.0042	0.0011	0.0053
	MW4-ROX-071415	7/14/2015		41.30	NE	0.00057 J	<0.005	<0.005	0.0026 J	<0.005	<0.001	<0.005	0.0029 J	<0.005	<0.001	0.0033	<0.005	<0.005	<0.001	0.00058 J	0.00024 J	<0.005	0.0082	0.0016	0.0098
	MW4-ROX-101915	10/19/2015		39.44	NE	<0.001	<0.005	<0.025	0.0016	<0.025	0.011	<0.001	0.0015	<0.001	<0.001	0.0014	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0041 J	0.001 J	0.0051
	MW4-ROX-011316	1/13/2016		39.10	NE	0.00066 J	<0.005	<0.025	0.0017	<0.025	0.012	<0.001	0.0021	<0.001	<0.001	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0047 J	0.0011 J	0.0058
	MW4-ROX-041916	4/19/2016		38.50	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	0.00092 J
	MW4-ROX-071416	7/14/2016		37.85	NE	<0.001	<0.005	<0.025	0.00053 J	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	0.0016 J
	MW4-ROX-100616	10/6/2016		37.18	NE	<0.001	<0.005	<0.025	0.0011	<0.025	0.0073	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	0.0019 J
	MW4-ROX-010917	1/9/2017		36.84	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0045	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW4-ROX-041017	4/10/2017	45.06 - 55.06	36.93	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0046	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
MW-05	MW5-ROX-071414	7/14/2014	33.97 - 43.97	28.59	NE	<0.001	<0.005	<0.005	0.00049 J	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	0.0016	<0.005	<0.005	<0.001	0.00033 J	<0.005	<0.005	0.002	0.00073 J	0.0027
	MW-5-ROX-100914	10/9/2014		27.75	NE	<0.001 UJ	<0.005	<0.005 UJ	0.0012 J	<0.005 UJ	0.019	<0.005	<0.005	<0.005	<0.001	0.0015	<0.005	<0.005	<0.001	0.00058 J	<0.005	<0.005	0.0027 J	0.0012 J	0.0039 J
	MW5-ROX-011515	1/15/2015		29.34	NE	<0.001	<0.005	<0.005	0.0057	<0.005	0.0215	<0.005	0.0018 J	<0.005	<0.001	0.0014	<0.005	<0.005	<0.001	0.00037 J	0.00031 J	<0.005	0.0076	0.0015	0.009
	MW5-ROX-041315	4/13/2015		30.97	NE	0.0005 J	<0.005	<0.005	0.0076 J	<0.005	0.0349	<0.005 UJ	0.0056 J	<0.005	<0.001	0.00057 J	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	0.0088	0.00051 J	0.0093
	MW5-ROX-071315	7/13/2015		29.45	NE	<0.001	<0.005	<0.005	0.00097 J	<0.005	0.0413	<0.005	<0.005	<0.005	<0.001	0.00032 J	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0019	0.00032 J	0.0022
	MW5-ROX-101215	10/12/2015		27.53	NE	0.0012	<0.005	<0.025	0.0031	<0.025	0.021	<0.001	<0.001	<0.001	<0.001	0.0019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0044 J	<0.005	0.0044 J
	MW5-ROX-011416	1/14/2016		27.19	NE	<0.001	<0.005	<0.025	0.0017	<0.025	0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	0.0018 J
	MW5-ROX-040616	4/6/2016		26.80	NE	<0.001	<0.005	<0.025	0.0019	<0.025	0.007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0025 J	<0.005	0.003 J
	MW5-ROX-070816	7/8/2016		26.28	NE	<0.001	<0.005	<0.025	0.001	<0.025	0.0084	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0017 J	<0.005	0.0021 J
	MW5-ROX-101016	10/10/2016		25.47	NE	<0.001	<0.005	<0.025	0.0011	<0.025	0.0079	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0017 J	0.00077 J	0.0025 J
	MW5-ROX-010617	1/6/2017		25.33	NE	<0.001	<0.005	<0.025	0.0074	<0.025	0.0014	<0.001	0.00096 J	<0.001	<0.001	0.00076 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0069	0.0016 J	0.0085 J
	MW5-ROX-041217	4/12/2017	33.97 - 43.97	25.32	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0034	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
MW-06A	MW6A-ROX-071014	7/10/2014	34.83 - 44.83	30.75	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	0.0148	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-100814	10/8/2014		29.84	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0082 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-011415	1/14/2015		31.54	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-040715	4/7/2015		33.08	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0077	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005 UJ	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-071515	7/15/2015		31.52	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0045	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-100715	10/7/2015		29.77	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0053	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6A-ROX-011116	1/11/2016		29.36	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0034	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6A-ROX-040716	4/7/2016		29.07	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0043	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6A-ROX-071116	7/11/2016		28.45	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0036	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6A-ROX-101116	10/11/2016		27.51	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0027	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6A-ROX-011017	1/10/2017		27.43	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6A-ROX-041217	4/12/2017	34.83 - 44.83	27.38	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)	0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-06B	MW6B-ROX-071014	7/10/2014	64.05 - 69.05	30.81	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	0.0054	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-100814	10/8/2014		29.87	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.003 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-011415	1/14/2015		31.59	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-040715	4/7/2015		33.10	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0052	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005 UJ	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-040715-DUP	4/7/2015		33.10	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0054	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005 UJ	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-071415	7/14/2015		31.56	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0048	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-100715	10/7/2015		29.80	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6B-ROX-011116	1/11/2016		29.41	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0063	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6B-ROX-040716	4/7/2016		29.11	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0029	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6B-ROX-071116	7/11/2016		28.49	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6B-ROX-101116	10/11/2016		27.56	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6B-ROX-011017	1/10/2017		27.49	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6B-ROX-041217	4/12/2017	64.05 - 69.05	27.44	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
MW-06C	MW6C-ROX-071014	7/10/2014	84.95 - 89.95	30.60	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-100814	10/8/2014		29.67	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.00052 J J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-011415	1/14/2015		31.41	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0037	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-040915	4/9/2015		32.80	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-071415	7/14/2015		31.38	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-100715	10/7/2015		29.60	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6C-ROX-010816	1/8/2016		29.31	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6C-ROX-040716	4/7/2016		28.91	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6C-ROX-071116	7/11/2016		28.30	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6C-ROX-101016	10/10/2016		27.37	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6C-ROX-011017	1/10/2017		27.26	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6C-ROX-041217	4/12/2017	84.95 - 89.95	27.24	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
MW-06D	MW6D-ROX-071014	7/10/2014	104.72 - 109.72	31.47	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-071014-DUP	7/10/2014		31.47	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-100814	10/8/2014		29.53	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.00051 UJ	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-100814-DUP	10/8/2014		29.53	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.00057 J J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-011415	1/14/2015		31.26	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-011415-DUP	1/14/2015		31.26	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-040715	4/7/2015		32.74	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005 UJ	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-071415	7/14/2015		31.19	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-100715	10/7/2015		29.45	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6D-ROX-010816	1/8/2016		29.59	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6D-ROX-010816-DUP	1/8/2016		29.59	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6D-ROX-040716	4/7/2016		28.76	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6D-ROX-040716-DUP	4/7/2016		28.76	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6D-ROX-071116	7/11/2016		28.16	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6D-ROX-071116-DUP	7/11/2016		28.16	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6D-ROX-101016	10/10/2016		27.26	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6D-ROX-101016-DUP	10/10/2016		27.26	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6D-ROX-011017	1/10/2017		27.14	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6D-ROX-011017-DUP	1/10/2017		27.14	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6D-ROX-041217	4/12/2017	104.72 - 109.72	27.10	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW6D-ROX-041217-DUP	4/12/2017		27.10	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)	0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-07	MW7-ROX-071614	7/16/2014	42.92 - 52.92	42.05	NE	0.208 J	<0.005	<0.005	0.0127 J	<0.005	<0.001	0.0165 J	0.0197 J	<0.005	<0.001	0.224 J	<0.005	<0.005	<0.001	0.143 J	0.0324 J	<0.005	0.48 J	0.187 J	0.667 J
	MW7-ROX-071614-DUP	7/16/2014		42.05	NE	0.206 J	<0.005	<0.005	0.0131 J	<0.005	<0.001	0.0141 J	0.0194 J	<0.005	<0.001	0.222 J	<0.005	<0.005	<0.001	0.142 J	0.0318 J	<0.005	0.465 J	0.181 J	0.647 J
	MW7-ROX-101614	10/16/2014		41.31	NE	<5	<25	<25	<25	<25	<5	<25	<25	<25	<5	<5	<25 UJ	<25	<5	<25	<25	<25 UJ	<5	<5	<5
	MW7-ROX-101614-DUP	10/16/2014		41.31	NE	<5	<25	<25	<25	<25	<5	<25	<25	<25	<5	<5	<25 UJ	<25	<5	<25	<25	<25 UJ	<5	<5	<5
	MW7-ROX-012215	1/22/2015		43.45	NE	<1	<5	<5	<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<5	<5	<5	<1	<1	<1
	MW7-ROX-012215-DUP	1/22/2015		43.45	NE	<1	<5	<5	<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<5	<5	<5	<1	<1	<1
	MW7-ROX-042115	4/21/2015		44.63	NE	0.0822	<0.25	<0.25	<0.25	<0.25	<0.05	<0.25 UJ	<0.25	<0.25	<0.05	0.295	<0.25	<0.25	<0.05	0.0791 J	0.0174 J	<0.25	0.116	0.0357 J	0.152
	MW7-ROX-042115-DUP	4/21/2015		44.63	NE	0.081	<0.25	<0.25	<0.25	<0.25	<0.05	<0.25 UJ	<0.25	<0.25	<0.05	0.285	<0.25	<0.25	<0.05	0.0784 J	0.0173 J	<0.25	0.116	0.0369 J	0.153
	MW7-ROX-071515	7/15/2015		43.54	NE	<5	<25	<25	<25	<25	<5	<25	<25	<25	<5	<5	<25	<25	<5	<25	<25	<25	<5	<5	<5
	MW7-ROX-071515-DUP	7/15/2015		43.54	NE	<5	<25	<25	<25	<25	<5	<25	<25	<25	<5	<5	<25	<25	<5	<25	<25	<25	<5	<5	<5
	MW7-ROX-101915	10/19/2015		41.43	NE	<10	<50	<250	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<250	<50	<50	<50
	MW7-ROX-101915-DUP	10/19/2015		41.43	NE	<10	<50	<250	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<250	<50	<50	<50
	MW7-ROX-011416	1/14/2016		41.02	NE	<5	<25	<130	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<130	<25	<25	<25
	MW7-ROX-011416-DUP	1/14/2016		41.02	NE	<5	<25	<130	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<130	<25	<25	<25
	MW7-ROX-041916	4/19/2016		40.68	NE	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<50	<10	<10	<10
	MW7-ROX-041916-DUP	4/19/2016		40.68	NE	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<50	<10	<10	<10
	MW7-ROX-071416	7/14/2016		39.99	NE	<5	<25	<130	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<130	<25	<25	<50
	MW7-ROX-071416-DUP	7/14/2016		39.99	NE	<5	<25	<130	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<130	<25	<25	<50
	MW7-ROX-100616	10/6/2016		39.24	NE	<10	<50	<250	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<250	<50	<50	<100
	MW7-ROX-100616-DUP	10/6/2016		39.24	NE	<10	<50	<250	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<250	<50	<50	<100
	MW7-ROX-010917	1/9/2017		38.90	NE	<5	<25	<130	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<130	<25	<25	<50
	MW7-ROX-041017	4/10/2017	42.92 - 52.92	38.88	NE	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	0.8 J	<1	<1	<1	<1	<1	<25	<5	<5	<10
	MW7-ROX-041017-DUP	4/10/2017		38.88	NE	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	0.85 J	<1	<1	<1	<1	<1	<25	<5	<5	<10
MW-08	MW8-ROX-071614	7/16/2014	33.60 - 43.60	33.01	NE	0.266	<0.005 UJ	<0.005 UJ	0.0266 J	<0.005 UJ	0.392 J	0.0598 J	0.0606 J	<0.005 UJ	<0.001 UJ	0.108 J	<0.005 UJ	<0.005 UJ	<0.001 UJ	0.226 J	0.0904 J	<0.005 UJ	0.377 J	0.141 J	0.518 J
	MW8-ROX-101614	10/16/2014		32.23	NE	0.305 J	<5	<5	<5	<5	1.19	<5	<5	<5	<1	<1	<5 UJ	<5	<1	<5	<5	<5 UJ	<1	<1	<1
	MW8-ROX-012215	1/22/2015		34.22	NE	0.359 J	<5	<5	<5	<5	0.906 J	<5	<5	<5	<1	0.259 J	<5	<5	<1	<5	<5	<5	<1	<1	0.318 J
	MW8-ROX-042115	4/21/2015		35.41	NE	0.203	<0.25	<0.25	<0.25	<0.25	0.506	<0.25 UJ	0.0251 J	<0.25	<0.05	0.325	<0.25	<0.25	<0.05	0.0473 J	0.0241 J	<0.25	0.164	0.0552	0.22
	MW8-ROX-071515	7/15/2015		34.07	NE	<5	<25	<25	<25	<25	<5	<25	<25	<25	<5	<5	<25	<25	<5	<25	<25	<25	<5	<5	<5
	MW8-ROX-101915	10/19/2015		32.30	NE	<5	<25	<130	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<130	<25	<25	<25
	MW8-ROX-011416	1/14/2016		31.79	NE	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<50	<10	<10	<10
	MW8-ROX-041916	4/19/2016		31.45	NE	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<25	<5	<5	<5
	MW8-ROX-071416	7/14/2016		30.80	NE	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<50	<10	<10	<20
	MW8-ROX-100616	10/6/2016		29.99	NE	<5	<25	<130	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<130	<25	<25	<50
	MW8-ROX-010917	1/9/2017		29.79	NE	<2.5	<13	<63	<2.5	<63	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<63	<13	<13	<25
	MW8-ROX-041017	4/10/2017	33.60 - 43.60	29.80	NE	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<25	<5	<5	<10

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TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-09	MW9-ROX-070914	7/9/2014	46.45 - 56.45	44.35	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-100714	10/7/2014		43.52	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW9-ROX-011315	1/13/2015		44.21	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-040915	4/9/2015		45.38	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-070915	7/9/2015		44.81	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-100815	10/8/2015		42.64	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW9-ROX-011316	1/13/2016		42.63	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW9-ROX-041216	4/12/2016		41.98	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW9-ROX-071316	7/13/2016		40.93	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW9-ROX-101316	10/13/2016		40.39	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW9-ROX-011117	1/11/2017		40.06	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW9-ROX-041417	4/14/2017	46.45 - 56.45	40.56	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
MW-10	MW10-ROX-070914	7/9/2014	44.43 - 54.43	44.35	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-100714	10/7/2014		43.58	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW10-ROX-011315	1/13/2015		44.27	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-040815	4/8/2015		45.30	NE	<0.001	<0.005 UJ	<0.005	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005 UJ	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-070915	7/9/2015		44.93	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-100915	10/9/2015		42.79	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW10-ROX-011316	1/13/2016		42.53	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW10-ROX-041116	4/11/2016		41.88	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW10-ROX-071316	7/13/2016		41.00	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW10-ROX-101216	10/12/2016		40.27	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW10-ROX-011117	1/11/2017		39.88	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW10-ROX-041417	4/14/2017	44.43 - 54.43	40.43	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
MW-11	MW11-ROX-070914	7/9/2014	41.66 - 51.66	41.75	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-100714	10/7/2014		40.89	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW11-ROX-011315	1/13/2015		41.93	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-040815	4/8/2015		43.19	NE	<0.001	<0.005 UJ	<0.005	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005 UJ	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-070915	7/9/2015		42.45	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-100815	10/8/2015		40.15	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW11-ROX-011216	1/12/2016		40.33	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW11-ROX-041116	4/11/2016		39.49	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW11-ROX-071316	7/13/2016		38.59	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW11-ROX-101216	10/12/2016		37.93	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW11-ROX-011117	1/11/2017		37.63	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW11-ROX-041417	4/14/2017	41.66 - 51.66	37.98	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)	0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-12	MW12-ROX-070914	7/9/2014	41.92 - 51.92	41.97	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-100614	10/6/2014		40.98	NE	<0.001	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW12-ROX-011215	1/12/2015		42.33	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-040615	4/6/2015		43.75	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-070815	7/8/2015		42.86	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-100815	10/8/2015		40.54	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW12-ROX-100815-DUP	10/8/2015		40.54	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW12-ROX-011116	1/11/2016		40.98	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW12-ROX-040716	4/7/2016		39.82	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW12-ROX-071216	7/12/2016		38.89	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW12-ROX-101116	10/11/2016		38.85	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW12-ROX-010917	1/9/2017		38.11	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW12-ROX-041417	4/14/2017	41.92 - 51.92	38.29	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
MW-13	MW13-ROX-070714	7/7/2014	25.57 - 35.57	28.49	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0091 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW13-ROX-101014	10/10/2014		27.48	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	0.0045	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001 UJ	<0.001	0.0011 J
	MW13-ROX-011615	1/16/2015		29.09	NE	0.00097 J	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.001	0.00076 J	<0.005	<0.005	<0.001	0.00064 J	<0.005	<0.005	0.0022	0.00072 J	0.003
	MW13-ROX-041415	4/14/2015		30.71	NE	0.00033 J	<0.005	<0.005	<0.005	<0.005	0.0075	<0.005 UJ	<0.005	<0.005	<0.001	0.00035 J	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.00057 J	0.00024 J	0.00082 J
	MW13-ROX-070815	7/8/2015		29.16	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0054	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW13-ROX-100515	10/5/2015		27.34	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW13-ROX-010716	1/7/2016		27.16	NE	0.0021	<0.005	<0.025	0.008	<0.025	0.013	<0.001	0.011	<0.001	<0.001	0.033	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.059	0.0038 J	0.063
	MW13-ROX-040816	4/8/2016		26.81	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0055	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW13-ROX-071116	7/11/2016		26.01	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0064	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW13-ROX100716	10/7/2016		25.16	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0076	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW13-ROX-010617	1/6/2017		25.54	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0067	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW13-ROX-041317	4/13/2017	25.57 - 35.57	25.75	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0055	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
MW-14	MW14-ROX-070714	7/7/2014	33.42 - 43.42	32.82	NE	<0.001	<0.005	<0.005	0.00073 J	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW14-ROX-101414	10/14/2014		31.65	NE	<0.001	<0.005	<0.005 UJ	0.00043 J	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001 UJ	<0.001	0.00041 J J
	MW14-ROX-011615	1/16/2015		33.58	NE	0.00036 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	0.00042 J	<0.005	<0.005	<0.001	0.00032 J	<0.005	<0.005	0.00072 J	<0.001	0.001
	MW14-ROX-041415	4/14/2015		35.16	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW14-ROX-070915	7/9/2015		34.06	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.0011 U	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW14-ROX-101315	10/13/2015		31.88	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW-14-ROX-010816	1/8/2016		31.64	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW14-ROX-041416	4/14/2016		31.32	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	0.001 J
	MW14-ROX-071116	7/11/2016		30.59	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW14-ROX-101416	10/14/2016		29.62	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW14-ROX-011117	1/11/2017		29.61	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW14-ROX-041317	4/13/2017	33.42 - 43.42	29.54	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)	0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-16	MW16-ROX-071014	7/10/2014	37.06 - 47.06	43.15	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW16-ROX-100714	10/7/2014		42.27	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW16-ROX-011315	1/13/2015		43.59	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW16-ROX-040915	4/9/2015		44.87	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW16-ROX-070915	7/9/2015		44.26	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	0.00038 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW16-ROX-070915-DUP	7/9/2015		44.26	NE	0.0004 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.0048 U	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.00097 J	<0.001	0.00097 J
	MW16-ROX-100715	10/7/2015		41.83	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW16-ROX-011216	1/12/2016		41.99	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW16-ROX-040816	4/8/2016		41.17	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW16-ROX-071216	7/12/2016		39.93	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW16-ROX-101116	10/11/2016		39.64	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW16-ROX-010917	1/9/2017		39.15	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW16-ROX-041417	4/14/2017	37.06 - 47.06	39.34	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
MW-22	MW22-ROX-071414	7/14/2014	37.88 - 47.88	41.85	NE	1.93	<0.005	<0.005	0.153 J	<0.005	<0.001	0.282 J	0.205 J	<0.005	<0.001	3.14	<0.005	<0.005	<0.001	0.353 J	0.262 J	<0.005	3.78	1.85	5.64
	MW22-ROX-101014	10/10/2014		41.43	NE	1.88 J	<0.05	<0.05 UJ	0.0661	<0.05 UJ	<0.01	0.202	0.112	<0.05	<0.01	2.3	<0.05	<0.05	<0.01	0.688	0.207	<0.05	3.08 J	1.74	4.82 J
	MW22-ROX-011615	1/16/2015		42.19	NE	2.84	<0.05	<0.05	0.11	0.0111 J	<0.01	0.339	0.2	<0.05	<0.01	3.24	0.0129 J	0.0106 J	<0.01	1.05	0.373	<0.05	5.19	2.74	7.93
	MW22-ROX-041415	4/14/2015		43.71	NE	3.05	<0.005	<0.005	0.124	<0.005	<0.001	0.315 J	0.219	<0.005	<0.001	4.3	<0.005	<0.005	<0.001	1.04	0.321	<0.005	6.26	3.09	9.35
	MW22-ROX-071515	7/15/2015		42.64	NE	3.21	<0.1	<0.1	0.0926 J	<0.1	<0.02	0.219	0.185	<0.1	<0.02	5.05	<0.1	<0.1	<0.02	1.31	0.296	<0.1	6.7	3.48	10.2
	MW22-ROX-101415	10/14/2015		40.54	NE	1.6	<0.1	<0.5	0.048	<0.5	<0.02	0.18	0.075	<0.02	<0.02	0.96	<0.02	<0.02	<0.02	0.47	0.11	<0.5	3	1.6	4.6
	MW22-ROX-011516	1/15/2016		40.42	NE	2	<0.1	<0.5	0.08	<0.5	<0.02	0.26	0.13	<0.02	<0.02	1.8	<0.02	<0.02	<0.02	0.81	0.21	<0.5	3.2	1.9	5
	MW22-ROX-011516-DUP	1/15/2016		40.42	NE	1.9	<0.1	<0.5	0.075	<0.5	<0.02	0.23	0.12	<0.02	<0.02	1.7	<0.02	<0.02	<0.02	0.74	0.19	<0.5	2.9	1.7	4.7
	MW22-ROX-041316	4/13/2016		39.56	NE	2.8	<0.13	<0.63	0.097	<0.63	<0.025	0.33	0.17	<0.025	<0.025	1.6	<0.025	<0.025	<0.025	0.98	0.25	<0.63	5.5	2.6	8.1
	MW22-ROX-041316-DUP	4/13/2016		39.56	NE	3	<0.13	<0.63	0.1	<0.63	<0.025	0.32	0.17	<0.025	<0.025	1.7	<0.025	<0.025	<0.025	1	0.26	<0.63	5.7	2.8	8.5
	MW22-ROX-071516	7/15/2016		38.97	NE	0.41	<0.025	<0.13	0.024	<0.13	<0.005	0.075	0.045	<0.005	<0.005	0.051	<0.005	<0.005	<0.005	0.22	0.064	<0.13	0.56	0.31	0.88
	MW22-ROX-071516-DUP	7/15/2016		38.97	NE	0.41	<0.025	<0.13	0.025	<0.13	<0.005	0.078	0.042	<0.005	<0.005	0.051	<0.005	<0.005	<0.005	0.21	0.063	<0.13	0.57	0.31	0.88
	MW22-ROX-101716	10/17/2016		38.17	NE	0.86	<0.05	<0.25	0.031	<0.25	<0.01	0.11	0.063	<0.01	<0.01	0.12	<0.01	<0.01	<0.01	0.36	0.097	<0.25	1.7	0.76	2.5
	MW22-ROX-101716-DUP	10/17/2016		38.17	NE	0.89	<0.05	<0.25	0.034	<0.25	<0.01	0.097	0.061	<0.01	<0.01	0.12	<0.01	<0.01	<0.01	0.35	0.092	<0.25	1.7	0.8	2.5
	MW22-ROX-011217	1/12/2017		37.80	NE	0.3	<0.025	<0.13	0.018	<0.13	<0.005	0.057	0.033	<0.005	<0.005	0.032	<0.005	<0.005	<0.005	0.19	0.048	<0.13	0.52	0.29	0.8
	MW22-ROX-011217-DUP	1/12/2017		37.80	NE	0.28	<0.025	<0.13	0.017	<0.13	<0.005	0.055	0.029	<0.005	<0.005	0.028	<0.005	<0.005	<0.005	0.17	0.046	<0.13	0.48	0.26	0.74
	MW22-ROX-041717	4/17/2017	37.88 - 47.88	38.09	NE	0.89	<0.05	<0.25	0.032	<0.25	<0.01	0.099	0.057	<0.01	<0.01	0.077	<0.01	<0.01	<0.01	0.36	0.085	<0.25	1.7	0.71	2.4
	MW22-ROX-041717-DUP	4/17/2017		38.09	NE	0.98	<0.05	<0.25	0.034	<0.25	<0.01	0.11	0.062	<0.01	<0.01	0.084	<0.01	<0.01	<0.01	0.39	0.094	<0.25	1.8	0.77	2.6
MW-23	MW23-ROX-012615	1/26/2015	29.02 - 39.02	30.90	NE	<0.001	<0.002	<0.01	<0.001	<0.005	0.0037	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.01	<0.002	<0.001	<0.003
	MW23-ROX-040815	4/8/2015		32.24	NE	<0.001	<0.005 UJ	<0.005	<0.005	<0.005	0.0039	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005 UJ	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW23-ROX-071015-BP	7/10/2015		30.54	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	0.004 J	<0.005	<0.005	<0.001	<0.001	<0.0011 U	<0.005	<0.001	<0.005	<0.005	<0.005	0.00062 J	<0.001	0.00062 J
	MW23-ROX-100515	10/5/2015		28.89	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW-23-ROX-010716	1/7/2016		28.78	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW-23-ROX-040616	4/6/2016		27.96	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW-23-ROX-070816	7/8/2016		27.54	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW23-ROX-BP-100716	10/7/2016		26.64	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW23-ROX-011017	1/10/2017		26.83	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW23-ROX-041117	4/11/2017	29.02 - 39.02	26.89	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)	0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-24	MW24-ROX-071114	7/10/2014	38.89 - 48.89	42.97	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW24-ROX-100814	10/8/2014		42.16	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001 UJ	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW24-ROX-011315	1/13/2015		43.17	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW24-ROX-040915	4/9/2015		44.45	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW24-ROX-070915	7/9/2015		44.65	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW24-ROX-100715	10/7/2015		41.45	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW24-ROX-011316	1/13/2016		41.44	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW24-ROX-040816	4/8/2016		40.79	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW24-ROX-071216	7/12/2016		39.67	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW24-ROX-101116	10/11/2016		39.19	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW24-ROX-010917	1/9/2017		38.97	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW24-ROX-041717	4/17/2017	38.89 - 48.89	39.27	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
MW-25	MW25-ROX-102114	10/21/2014	35.59 - 45.59	36.44	NE	<2	<10	<10	<10	<10	<2	<10	<10	<10	<2	2.65	<10	<10	<2	<10	<10	<10	<2	<2	0.753 J
	MW25-ROX-012215	1/22/2015		38.45	NE	<0.25	<1.3	<1.3	<1.3	<1.3	0.282	<1.3	<1.3	<1.3	<0.25	<0.25	<1.3	<1.3	<0.25	<1.3	<1.3	<1.3	<0.25	<0.25	0.0821 J
	MW25-ROX-042115	4/21/2015		39.71	NE	<0.05	<0.25	<0.25	<0.25	<0.25	0.125	<0.25 UJ	<0.25	<0.25	<0.05	<0.05	<0.25	<0.25	<0.05	<0.25	<0.25	<0.25	<0.05	<0.05	<0.05
	MW25-ROX-071515	7/15/2015		38.40	NE	<0.2	<1	<1	<1	<1	<0.2	<1	<1	<1	0.0577 J	<0.2	<1	<1	<0.2	<1	<1	<1	<0.2	<0.2	<0.2
	MW25-ROX-101915	10/19/2015		36.55	NE	<0.1	<0.5	<2.5	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.5	<0.5	<0.5
	MW25-ROX-011416	1/14/2016		36.12	NE	<0.02	<0.1	<0.5	<0.02	<0.5	0.042	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.5	<0.1	<0.1	<0.1
	MW25-ROX-041916	4/19/2016		35.67	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.049	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	0.00085 J
	MW25-ROX-071816	7/18/2016		35.19	NE	<0.01	<0.05	<0.25	<0.01	<0.25	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.05	<0.05	<0.1
	MW25-ROX-100616	10/6/2016		34.27	NE	<0.002	<0.01	<0.05	<0.002	<0.05	0.039	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.05	<0.01	<0.01	<0.02
	MW25-ROX-011117	1/11/2017		34.00	NE	<0.001	<0.005	<0.025	0.00059 J	<0.025	0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW25-ROX-041117	4/11/2017	35.59 - 45.59	34.31	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
MW-26	MW26-ROX-102114	10/21/2014	38.15 - 48.15	39.43	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0019	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW26-ROX-011215	1/12/2015		41.09	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW26-ROX-040815	4/8/2015		42.52	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005 UJ	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW26-ROX-070815	7/8/2015		41.76	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW26-ROX-100615	10/6/2015		39.19	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW26-ROX-010716	1/7/2016		39.55	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW26-ROX-040616	4/6/2016		38.44	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW26-ROX-071216	7/12/2016		37.74	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW26-ROX-101016	10/10/2016		37.13	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW26-ROX-010617	1/6/2017		36.74	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW26-ROX-041417	4/14/2017	38.15 - 48.15	36.91	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
MW-27	MW27-ROX-102114	10/21/2014	39.79 - 49.79	41.57	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW27-ROX-011515	1/15/2015		42.06	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW27-ROX-041015	4/10/2015		43.22	NE	<0.001	<0.005 UJ	<0.005 UJ	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005 UJ	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW27-ROX-071015	7/10/2015		43.00	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW27-ROX-100815	10/8/2015		40.32	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW27-ROX-011316	1/13/2016		40.68	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW27-ROX-041116	4/11/2016		39.73	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW-27-ROX-071316	7/13/2016		38.94	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW27-ROX-101216	10/12/2016		38.50	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW27-ROX-011117	1/11/2017		38.05	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00094 J	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	MW27-ROX-041417	4/14/2017	39.79 - 49.79	38.70	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)	0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-28	MW28-ROX-102114	10/21/2014	33.61 - 43.61	36.44	NE	<0.001	<0.005	<0.005	0.00075 J	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	0.0011	<0.005	<0.005	<0.001	0.0036 J	0.00059 J	<0.005	0.0036	0.0051	0.0087
	MW28-ROX-011515	1/15/2015		41.14	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	0.00026 J	<0.005	<0.005	<0.001	0.00059 J	<0.005	<0.005	0.0012	0.00092 J	0.0021
	MW28-ROX-041415	4/14/2015		42.34	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	0.00042 J	0.00042 J
	MW28-ROX-071515	7/15/2015		42.19	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	0.00031 J	<0.005	<0.005	<0.001	<0.001	<0.001
	MW28-ROX-101215	10/12/2015		40.04	NE	0.00066 J	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	0.0017 J
	MW28-ROX-101215-DUP	10/12/2015		40.04	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW28-ROX-011416	1/14/2016		39.98	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW28-ROX-041216	4/12/2016		39.20	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW28-ROX-071416	7/14/2016		38.49	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0011	<0.001	<0.001	<0.001	<0.001	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	0.0017 J
	MW28-ROX-101316	10/13/2016		37.86	NE	<0.001	<0.005	<0.025	0.0023	<0.025	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	0.0011 J	<0.01
	MW28-ROX-011217	1/12/2017		37.14	NE	<0.001	<0.005	<0.025	0.0018	<0.025	0.0028	<0.001	<0.001	<0.001	<0.001	0.00082 J	<0.001	<0.001	<0.001	0.0013	0.00071 J	<0.025	0.01	0.02	0.03
	MW28-ROX-041717	4/17/2017	33.61 - 43.61	38.02	NE	0.004	<0.005	<0.025	0.0041	<0.025	0.00098 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	0.0054	0.0063 J
P-54	P54-ROX-071114	7/10/2014	38.00 - 63.00	41.71	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-100814	10/8/2014		40.88	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001 UJ	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-011415	1/14/2015		41.79	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-041015	4/10/2015		43.20	NE	<0.001	<0.005 UJ	<0.005 UJ	<0.005	<0.005	<0.001	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005 UJ	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	P54-ROX-070915	7/9/2015		42.25	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.0037 U	<0.005	<0.005	<0.001	<0.001	<0.005	<0.00092 U	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	0.00028 J
	P54-ROX-100915	10/9/2015		40.20	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	P54-ROX-011216	1/12/2016		40.22	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	P54-ROX-041216	4/12/2016		39.42	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	P54-ROX-071216	7/12/2016		38.44	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	P54-ROX-101216	10/12/2016		37.85	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	P54-ROX-010917	1/9/2017		37.80	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00077 J	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	P54-ROX-041717	4/17/2017	38.00 - 63.00	38.10	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
P-56	P56-ROX-070814	7/8/2014	40.82 - 65.82	45.97	NE	1.71 J	<0.005	<0.005	0.106 J	<0.005	<0.001	0.156 J	0.133 J	<0.005	<0.001	0.288 J	<0.005	<0.005	<0.001	0.487 J	0.166 J	<0.005	2.04 J	0.122 J	2.09 J
	P56-ROX-101314	10/13/2014		45.05	NE	0.164	<0.005	<0.005 UJ	0.0645	<0.005 UJ	<0.001	0.0679	0.0709	<0.005	<0.001	0.0183	<0.005	<0.005	<0.001	0.0657	0.0194	<0.005	0.17 J	0.0066	0.176 J
	P56-ROX-011915	1/19/2015		46.58	NE	0.104	<0.005	<0.005	0.0532	<0.005	<0.001	0.0261	0.0574	<0.005	<0.001	0.0114	<0.005	<0.005	<0.001	0.0466	0.0135	<0.005	0.143	0.0043	0.148
	P56-ROX-041515	4/15/2015		48.05	NE	0.624	<0.005	<0.005	0.0768	<0.005	<0.001	0.0754 J	0.0918	<0.005	<0.001	0.068	<0.005	<0.005	<0.001	0.189	0.0454	<0.005	0.737	0.0124	0.749
	P56-ROX-071015	7/10/2015		47.34	NE	0.0297	<0.005	<0.005	0.057	<0.005	<0.001	0.0158	0.0594	<0.005	<0.001	0.005	<0.005	<0.005	<0.001	0.0063	0.0041 J	<0.005	0.0702	0.0035	0.0737
	P56-ROX-101415	10/14/2015		44.85	NE	0.067	<0.005	<0.025	0.027	0.011 J	<0.001	0.016	0.031	<0.001	<0.001	0.0077	<0.001	<0.001	<0.001	0.029	0.0077	<0.025	0.1	0.0031 J	0.1
	P56-ROX-011116	1/11/2016		44.78	NE	0.092	<0.025	<0.13	0.031	<0.13	<0.005	0.023	0.036	<0.005	<0.005	0.016	<0.005	<0.005	<0.005	0.063	0.016	<0.13	0.22	0.0062 J	0.22
	P56-ROX-041416	4/14/2016		43.73	NE	0.093	<0.025	<0.13	0.035	<0.13	<0.005	0.019	0.039	<0.005	<0.005	0.017	<0.005	<0.005	<0.005	0.074	0.019	<0.13	0.2	0.0061 J	0.21
	P56-ROX-071216	7/12/2016		42.87	NE	0.034	<0.01	<0.05	0.032	<0.05	<0.002	0.013	0.032	<0.002	<0.002	0.011	<0.002	<0.002	<0.002	0.037	0.011	<0.05	0.1	0.0036 J	0.11
	P56-ROX-101716	10/17/2016		42.35	NE	0.051	<0.005	<0.025	0.031	<0.025	<0.001	0.023	0.036	<0.001	<0.001	0.011	<0.001	<0.001	<0.001	0.062	0.015	<0.025	0.18	0.0047 J J	0.19
	P56-ROX-011217	1/12/2017		42.01	NE	0.017	<0.005	<0.025	0.028	<0.025	<0.001	0.012	0.031	<0.001	<0.001	0.0049	<0.001	<0.001	<0.001	0.04	0.01	<0.025	0.073	0.003 J	0.076
	P56-ROX-040617	4/6/2017	40.82 - 65.82	42.46	NE	0.017	<0.005	<0.025	0.028	<0.025	<0.001	0.0065	0.032	<0.001	<0.001	0.0041	<0.001	<0.001	<0.001	0.038	0.011	<0.025	0.079	0.0018 J	0.08

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TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
P-57	P57-ROX-070814	7/8/2014	40.46 - 65.46	45.95	NE	1.12	<0.005 UJ	<0.005 UJ	0.0656 J	<0.005 UJ	<0.001 UJ	0.128 J	0.0605 J	<0.005 UJ	<0.001 UJ	0.154 J	<0.005 UJ	<0.005 UJ	<0.001 UJ	0.375 J	0.0913 J	<0.005 UJ	1.46	0.237	1.7
	P57-ROX-070814-DUP	7/8/2014		45.95	NE	1.21	<0.005 UJ	<0.005 UJ	0.0689 J	<0.005 UJ	<0.001 UJ	0.139 J	0.0633 J	<0.005 UJ	<0.001 UJ	0.16 J	<0.005 UJ	<0.005 UJ	<0.001 UJ	0.392 J	0.0954 J	<0.005 UJ	1.56	0.234	1.79
	P57-ROX-101414-DUP	10/14/2014		45.00	NE	1.77 J J	<10	<10 UJ	<10	<10 UJ	<2	<10	<10	<10	<2	0.849 J	<10	<10	<2	1.18 J	<10	<10	2.37 J	0.949 J	3.32 J
	P57-ROX-101414	10/14/2014		45.00	NE	3.86 J	<10	<10 UJ	<10	<10 UJ	<2	2.05 J	<10	<10	<2	2.65	<10	<10	<2	2.37 J	<10	<10	5.79 J	2.1	7.89 J
	P57-ROX-012315	1/23/2015	44.19 - 54.19	47.52	NE	0.773	<2.5	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	0.652 J	<2.5	<2.5	0.342 J	<0.5	0.342 J
	P57-ROX-042015	4/20/2015		48.73	NE	0.487	<0.25	<0.25	0.0246 J	<0.25	<0.05	<0.25 UJ	0.0468 J	<0.25	<0.05	0.0376 J	<0.25 UJ	<0.25	<0.05	0.305	0.0323 J	<0.25	0.14	0.0141 J	0.154
	P57-ROX-071315	7/13/2015		47.81	NE	0.44 J	<5	<5	<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	0.44 J	<5	<5	<5	<1	<1	0.237 J
	P57-ROX-101515	10/15/2015		45.56	NE	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	1.8	<1	<1	<1	<1	<1	<25	<5	<5	0.63 J
	P57-ROX-011216	1/12/2016		45.61	NE	0.55 J	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<25	<5	<5	0.83 J
	P57-ROX-041816	4/18/2016		44.80	NE	0.2 J	<1.3	<6.3	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<6.3	<1.3	<1.3	<1.3
	P57-ROX-071316	7/13/2016		44.02	NE	0.57	<2.5	<13	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<13	<2.5	<2.5	<5
	P57-ROX-101816	10/18/2016		43.17	NE	0.3 J	<2.5	<13	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<13	<2.5	<2.5	<5
	P57-ROX-011617	1/16/2017		42.82	NE	0.24 J	<1.3	<6.3	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<6.3	<1.3	<1.3	<2.5
	P57-ROX-040717	4/7/2017	44.19 - 54.19	43.05	NE	0.14 J	<1	<5	<0.2	<5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5	<1	<1	<2
P-58	P58-ROX-071814	7/18/2014	40.21 - 65.21	43.80	NE	<2	<10	<10	<10	<10	<2	<10	<10	<10	<2	<2	<10	<10	<2	<10	<10	<10	<2	<2	<2
	P58-ROX-101514	10/15/2014		43.14	NE	0.793 J	<2.5	<2.5	1.43 J	<2.5	<0.5	<2.5	0.781 J	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	0.72 J	0.453 J	<2.5	<0.5	0.253 J	0.718
	P58-ROX-012315	1/23/2015		45.32	NE	1.13	<5	<5	<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	0.714 J	<5	<5	0.686 J	<1	0.686 J
	P58-ROX-042015	4/20/2015		46.67	NE	0.81	<0.05	<0.05	0.0575	<0.05	<0.01	0.12 J	0.0762	<0.05	<0.01	0.101	<0.05 UJ	<0.05	<0.01	0.549	0.0691	<0.05	0.433	0.0525	0.486
	P58-ROX-071415	7/14/2015		45.54	NE	0.457 J	<5	<5	<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<5	<5	<5	<1	<1	0.285 J
	P58-ROX-101615	10/16/2015		43.45	NE	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<50	<10	<10	<10
	P58-ROX-011316	1/13/2016		43.18	NE	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<50	<10	<10	<10
	P58-ROX-041816	4/18/2016		42.68	NE	0.62 J	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<25	<5	<5	<5
	P58-ROX-071516	7/15/2016		42.05	NE	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<50	<10	<10	<20
	P58-ROX-101816	10/18/2016		41.05	NE	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<50	<10	<10	<20
	P58-ROX-011617	1/16/2017		40.73	NE	0.98 J	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<25	<5	<5	<10
	P58-ROX-041117	4/11/2017	40.21 - 65.21	40.74	NE	0.48 J	<2.5	<13	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<13	<2.5	<2.5	<5
P-59	P59-ROX-070814	7/8/2014	47.91 - 72.91	47.69	NE	1.92	<0.005	<0.005	0.0948 J	<0.005	<0.001	0.228 J	0.16 J	<0.005	<0.001	1.55	<0.005	<0.005	<0.001	0.607	0.285 J	<0.005	4.48	0.929	5.41
	P59-ROX-101414	10/14/2014		46.18	NE	2.33	<0.005	<0.005 UJ	0.0932 J	<0.005 UJ	0.0041 J	0.38 J	0.188 J	<0.005	<0.001	1.13	<0.005	<0.005	<0.001	0.901	0.26 J	<0.005	5.14 J	1.03	6.17 J
	P59-ROX-011915	1/19/2015		47.42	NE	2.2	<0.5	<0.5	0.0619 J	<0.5	<0.1	0.572	0.108 J	<0.5	<0.1	0.375	<0.5	<0.5	<0.1	0.609	0.21 J	<0.5	4.95	0.245	5.2
	P59-ROX-041615	4/16/2015		48.83	NE	2.13	<0.05	<0.05 UJ	0.0432 J	<0.05	<0.01	0.161 J	0.0763	<0.05	0.0032 J	0.69	<0.05	<0.05	<0.01	0.576	0.177	<0.05	4.78	0.534	5.32
	P59-ROX-071315	7/13/2015		47.85	NE	0.664	<0.13	<0.13	0.0111 J	<0.13	<0.025	0.162	0.0211 J	<0.13	<0.025	0.103	0.0283 J	<0.13	<0.025	0.15	0.0541 J	<0.13	1.6	0.0368	1.63
	P59-ROX-101515	10/15/2015		45.75	NE	1.1	<0.25	<1.3	0.03 J	<1.3	<0.05	0.085	0.04 J	<0.05	<0.05	0.54	<0.05	<0.05	<0.05	0.28	0.1	<1.3	2.8	0.27	3.1
	P59-ROX-011216	1/12/2016		46.10	NE	1.1	<0.13	<0.63	0.022 J	<0.63	<0.025	0.11	0.037	<0.025	<0.025	1.6	<0.025	<0.025	<0.025	0.26	0.08	<0.63	2.3	0.46	2.8
	P59-ROX-041816	4/18/2016		44.28	NE	1.7	<0.1	<0.5	0.04	<0.5	<0.02	0.14	0.084	<0.02	<0.02	0.85	<0.02	<0.02	<0.02	0.56	0.16	<0.5	3.4	0.31	3.7
	P59-ROX-071316	7/13/2016		44.01	NE	1.4	<0.13	<0.63	0.046	<0.63	<0.025	0.18	0.059	<0.025	<0.025	0.47	<0.025	<0.025	<0.025	0.48	0.16	<0.63	2.1	0.17	2.2
	P59-ROX-101816	10/18/2016		43.39	NE	2.1	<0.25	<1.3	0.05	<1.3	<0.05	0.19	0.1	<0.05	<0.05	2.3	<0.05	<0.05	<0.05	0.64	<0.05	<1.3	4.2	0.27	4.5
	P59-ROX-011617	1/16/2017		42.83	NE	2.3	<0.25	<1.3	0.07	<1.3	<0.05	0.25	0.14	<0.05	<0.05	0.61	<0.05	<0.05	<0.05	0.87	0.22	<1.3	3.5	0.14 J	3.6
	P59-ROX-040717	4/7/2017	47.91 - 72.91	43.31	NE	2	<0.25	<1.3	0.048 J	<1.3	<0.05	0.18	0.089	<0.05	<0.05	0.59	<0.05	<0.05	<0.05	0.55	0.13	<1.3	3.3	0.12 J	3.4

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TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
P-66	P66-ROX-070714	7/7/2014	34.72 - 59.72	35.60	NE	0.0016	<0.005	<0.005	0.144	<0.005	<0.001	<0.005	0.102	<0.005	<0.001	0.0022	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.001	0.00099 J	0.002
	P66-ROX-101414	10/14/2014		34.48	NE	0.0013	<0.005	<0.005 UJ	0.129	<0.005	0.0111	<0.005	0.137	<0.005	<0.001	0.0016	<0.005 UJ	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001 UJ	0.0009 J	0.0018 J
	P66-ROX-011615	1/16/2015		36.62	NE	0.0016	<0.005	<0.005	0.121	<0.005	0.0171	0.006	0.136	<0.005	<0.001	0.0018	<0.005	<0.005	<0.001	0.00073 J	0.00029 J	<0.005	0.00093 J	0.0012	0.0021
	P66-ROX-011615-DUP	1/16/2015		36.62	NE	0.0014	<0.005	<0.005	0.116	<0.005	0.0172	0.0053	0.127	<0.005	<0.001	0.0016	<0.005	<0.005	<0.001	0.00041 J	0.00019 J	<0.005	0.001	0.0013	0.0022
	P66-ROX-041415	4/14/2015		38.27	NE	0.003	<0.005	<0.005	0.133	<0.005	<0.001	<0.005 UJ	0.134	<0.005	<0.001	0.0024	<0.005	<0.005	<0.001	0.00064 J	<0.005	<0.005	0.0028	0.0015	0.0044
	P66-ROX-041415-DUP	4/14/2015		38.27	NE	0.0027	<0.005	<0.005	0.13	<0.005	<0.001	<0.005 UJ	0.132	<0.005	<0.001	0.0022	<0.005	<0.005	<0.001	0.00053 J	<0.005	<0.005	0.0024	0.0013	0.0037
	P66-ROX-070815	7/8/2015		37.24	NE	0.0024	<0.005	<0.005	0.133	<0.005	<0.001	<0.005	0.117	<0.005	<0.001	0.0017	<0.005	<0.005	<0.001	0.0003 J	<0.005	<0.005	0.0016	0.0011	0.0027
	P66-ROX-070815-DUP	7/8/2015		37.24	NE	0.0022	<0.005	<0.005	0.132	<0.005	<0.001	<0.005	0.119	<0.005	<0.001	0.0018	<0.005	<0.005	<0.001	0.00032 J	<0.005	<0.005	0.0016	0.0011	0.0027
	P66-ROX-101315	10/13/2015		34.84	NE	0.0042	<0.005	<0.025	0.072	<0.025	0.019	0.0035	0.068	<0.001	<0.001	0.00092 J	<0.001	<0.001	<0.001	0.0012	<0.001	<0.025	0.0024 J	0.00086 J	0.0033 J
	P-66-ROX-010816	1/8/2016		34.64	NE	<0.001	<0.005	<0.025	0.085	<0.025	<0.001	<0.001	0.083	<0.001	<0.001	0.0012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	P66-ROX-041516	4/15/2016		34.33	NE	0.0048	<0.005	<0.025	0.068	<0.025	<0.001	0.017	0.075	<0.001	<0.001	0.00086 J	<0.001	<0.001	<0.001	0.0017	0.00056 J	<0.025	0.002 J	0.00077 J	0.0027 J
	P66-ROX-071116	7/11/2016		33.58	NE	0.0075	<0.005	<0.025	0.083	<0.025	0.017	0.026	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.006	0.00082 J	<0.025	0.0032 J	0.001 J	0.0042 J
	P66-ROX-101416	10/14/2016		32.61	NE	0.0091	<0.005	<0.025	0.071	<0.025	0.022	0.067	0.095	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.024	0.0014	<0.025	0.0039 J	0.001 J	0.0049 J
	P66-ROX-011117	1/11/2017		32.41	NE	0.0049	<0.005	<0.025	0.083	<0.025	0.0052	0.051	0.12	<0.001	<0.001	0.00087 J	<0.001	<0.001	<0.001	0.024	0.0012	<0.025	0.0031 J	0.0013 J	0.0044 J
	P66-ROX-041317	4/13/2017	34.72 - 59.72	32.19	NE	0.00056 J	<0.005	<0.025	0.082	<0.025	<0.001	0.0018	0.085	<0.001	<0.001	0.0011	<0.001	<0.001	<0.001	0.0014	<0.001	<0.025	<0.005	0.00081 J	<0.01
P-74	P74-ROX-070814	7/8/2014	44.43 - 69.43	43.02	NE	0.0374	<0.005	<0.005	0.0018 J J	<0.005	<0.001	0.0128	0.0036 J	<0.005	<0.001	0.0087	<0.005	<0.005	<0.001	0.117	0.0518	<0.005	0.121	0.0122	0.133
	P74-ROX-101414	10/14/2014		41.48	NE	<0.001	<0.005	<0.005 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005 UJ	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001 UJ	<0.001	0.00043 J J
	P74-ROX-011915	1/19/2015		43.47	NE	0.082	<0.005	<0.005	0.0029 J	<0.005	0.0056	0.0193	0.0053	<0.005	<0.001	0.102	<0.005	<0.005	<0.001	0.135	0.0589	<0.005	0.197	0.019	0.216
	P74-ROX-041515	4/15/2015		44.61	NE	0.0058	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	0.00042 J	<0.005	<0.001	0.0013	<0.005	<0.005	<0.001	0.0086	0.0044 J	<0.005	0.0202	0.0012	0.0214
	P74-ROX-071015	7/10/2015		43.28	NE	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P74-ROX-101415	10/14/2015		41.75	NE	0.056	<0.025	<0.13	<0.005	<0.13	<0.005	0.02	0.0038 J	<0.005	<0.005	0.012	<0.005	<0.005	<0.005	0.081	0.033	<0.13	0.21	0.0071 J	0.21
	P74-ROX-011116	1/11/2016		40.67	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	0.0032	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	0.001 J
	P74-ROX-041516	4/15/2016		40.40	NE	0.0025	<0.005	<0.025	<0.001	<0.025	0.0018	0.0012	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	0.0096	0.0062	<0.025	0.013	0.001 J	0.014
	P74-ROX-071216	7/12/2016		39.56	NE	0.0021	<0.005	<0.025	<0.001	<0.025	<0.001	0.0018	<0.001	<0.001	<0.001	0.0013	<0.001	<0.001	<0.001	0.016	0.0098	<0.025	0.0069	0.00089 J	0.0078 J
	P74-ROX-101416	10/14/2016		39.44	NE	0.002	<0.005	<0.025	0.00063 J	<0.025	<0.001	0.0038	0.0012	<0.001	<0.001	0.0015	<0.001	<0.001	<0.001	0.013	0.005	<0.025	0.0035 J	0.00079 J	0.0043 J
	P74-ROX-011217	1/12/2017		38.64	NE	0.0016	<0.005	<0.025	<0.001	<0.025	0.0055	<0.001	<0.001	<0.001	<0.001	0.0017	<0.001	<0.001	<0.001	0.0048	0.0011	<0.025	0.0037 J	0.0015 J	0.0052 J
	P74-ROX-040717	4/7/2017	44.43 - 69.43	38.92	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)			0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
P-93A	P93A-ROX-071814	7/18/2014	48.17 - 63.17	45.70	NE	<1	<5	<5	<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<5	<5	<5	<1	<1	<1
	P93A-ROX-071814-DUP	7/18/2014		45.70	NE	<1	<5	<5	<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<5	<5	<5	<1	<1	<1
	P93A-ROX-101514	10/15/2014		45.06	NE	0.229 J J	<2.5	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	0.442 J	<2.5	<2.5	<0.5	0.263 J	0.65
	P93A-ROX-101514-DUP	10/15/2014		45.06	NE	0.226 J J	<2.5	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	0.258 J	0.635
	P93A-ROX-012715	1/27/2015	43.07 - 53.07	46.05	NE	0.0856 J	<0.002 UJ	<0.01 UJ	0.0073 J	0.0011 J J	0.0013 J	0.0243 J	0.008 J	<0.001 UJ	<0.001 UJ	0.0039 J	<0.001 UJ	<0.001 UJ	<0.001 UJ	0.127 E J	0.0282 J	<0.01 UJ	0.138 J	0.0347 J	0.173 J
	P93A-ROX-041715	4/17/2015		47.02	NE	0.0559	<0.005	<0.005	0.0049 J	<0.005	<0.001	0.011 J	0.0059	<0.005	<0.001	0.003	<0.005 UJ	<0.005	<0.001	0.0886	0.03	<0.005	0.0477	0.0199	0.0677
	P93A-ROX-071315	7/13/2015		45.93	NE	0.0361 J	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	0.0342 J	<0.5	<0.5	<0.1	0.0313 J	<0.5	<0.5	<0.1	<0.1	0.0502 J
	P93A-ROX-101515	10/15/2015		43.69	NE	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<25	<5	<5	<5
	P93A-ROX-101515-DUP	10/15/2015		43.69	NE	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<25	<5	<5	<5
	P-93A-ROX-011216	1/12/2016		43.73	NE	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<50	<10	<10	<10
	P-93A-ROX-011216-DUP	1/12/2016		43.73	NE	<2	<10	<50	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<50	<10	<10	<10
	P93A-ROX-041916	4/19/2016		43.08	NE	<0.25	<1.3	<6.3	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<6.3	<1.3	<1.3	<1.3
	P93A-ROX-041916-DUP	4/19/2016		43.08	NE	<0.25	<1.3	<6.3	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<6.3	<1.3	<1.3	<1.3
	P93A-ROX-071316	7/13/2016		42.20	NE	<0.1	<0.5	<2.5	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.5	<0.5	<1
	P93A-ROX-071316-DUP	7/13/2016		42.20	NE	<0.1	<0.5	<2.5	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.5	<0.5	<1
	P93A-ROX-101816	10/18/2016		41.35	NE	<0.02	<0.1	<0.5	<0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.5	<0.1	<0.1	<0.2
	P93A-ROX-101816-DUP	10/18/2016		41.35	NE	<0.02	<0.1	<0.5	<0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.5	<0.1	<0.1	<0.2
	P93A-ROX-011217	1/12/2017		41.04	NE	<0.005	<0.025	<0.13	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.13	<0.025	<0.025	<0.05
	P93A-ROX-011217-DUP	1/12/2017		41.04	NE	<0.005	<0.025	<0.13	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.13	<0.025	<0.025	<0.05
	P93A-ROX-040717	4/7/2017	43.07 - 53.07	41.26	NE	<0.002	<0.01	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.05	<0.01	<0.01	<0.02
	P93A-ROX-040717-DUP	4/7/2017		41.26	NE	<0.002	<0.01	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.05	<0.01	<0.01	<0.02
P-93B	P93B-ROX-071714	7/17/2014	74.60 - 76.60	45.75	NE	0.0236 J	<0.005 UJ	<0.005 UJ	0.0227 J	<0.005 UJ	<0.001 UJ	0.0053 J	0.0297 J	<0.005 UJ	<0.001 UJ	0.0129 J	<0.005 UJ	<0.005 UJ	<0.001 UJ	0.008 J	0.0037 J J	<0.005 UJ	0.0662 J	0.0047 J	0.0708
	P93B-ROX-101514	10/15/2014		45.15	NE	<0.5	<2.5	<2.5 UJ	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P93B-ROX-012315	1/23/2015		47.24	NE	<1	<5	<5	<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<5	<5	<5	<1	<1	<1
	P93B-ROX-012315-DUP	1/23/2015		47.24	NE	<1	<5	<5	<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<5	<5	<5	<1	<1	<1
	P93B-ROX-021915	2/19/2015		47.24	NE	<0.5	<1	<5	<0.5	<2.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<5	<1	<0.5	<1.5
	P93B-ROX-041615	4/16/2015		48.42	NE	0.0947	<0.005	<0.005 UJ	0.0226	<0.005	<0.001	0.0033 J J	0.0286	<0.005	0.00073 J	0.111	<0.005	<0.005	<0.001	0.0124	0.0043 J	<0.005	0.0993	0.0378	0.137
	P93B-ROX-041615-DUP	4/16/2015		48.42	NE	0.249 J	<5	<5 UJ	<5	<5	<1	<5 UJ	<5	<5	0.216 J	<1	<5	<5	<1	<5	<5	<5	<1	<1	0.338 J
	P93B-ROX-070915	7/9/2015		47.74	NE	<5	<25	<25	<25	<25	<5	<25	<25	<25	<5	<5	<25	<25	<5	<25	<25	<25	<5	<5	<5
	P93B-ROX-070915-DUP	7/9/2015		47.74	NE	<2	<10	<10	<10	<10	<2	7.01 J	<10	<10	<2	<2	<10	<10	<2	<10	<10	<10	<2	<2	<2
	P93B-ROX-101515	10/15/2015		45.18	NE	<2.5	<13	<63	<2.5	<63	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<63	<13	<13	<13
	P93B-ROX-011316	1/13/2016		44.96	NE	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<25	<5	<5	<5
	P93B-ROX-041916	4/19/2016		44.54	NE	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<25	<5	<5	<5
	P93B-ROX-071516	7/15/2016		43.65	NE	<1	<5	<25	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<25	<5	<5	<10
	P93B-ROX-101816	10/18/2016		42.73	NE	<0.5	<2.5	<13	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<13	<2.5	<2.5	<5
	P93B-ROX-011017	1/10/2017		42.41	NE	<0.5	<2.5	<13	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<13	<2.5	<2.5	<5
	P93B-ROX-011017-DUP	1/10/2017		42.41	NE	<0.5	<2.5	<13	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<13	<2.5	<2.5	<5
	P93B-ROX-040617	4/6/2017	74.60 - 76.60	42.59	NE	<0.5	<2.5	<13	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<13	<2.5	<2.5	<5

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TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)	0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
P-93C	P93C-ROX-071714	7/17/2014	94.26 - 96.26	45.61	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0061 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93C-ROX-101514	10/15/2014		44.99	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0046	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93C-ROX-011915	1/19/2015	92.47 - 97.47	48.22	NE	<0.1	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
	P93C-ROX-021915	2/19/2015		48.22	NE	<1	<2	<10	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<2	<2	<10	<2	<1	<3
	P93C-ROX-041615	4/16/2015		48.22	NE	<0.1	<0.5	<0.5 UJ	<0.5	<0.5	<0.1	<0.5 UJ	<0.5	<0.5	<0.1	0.0295 J	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
	P93C-ROX-071315	7/13/2015		47.09	NE	0.00047 J	<0.005	<0.005	<0.005	<0.005	0.0016	<0.0037 U	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	0.00059 J	<0.005	<0.005	0.00095 J	<0.001	0.0011
	P93C-ROX-101415	10/14/2015		44.91	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	P-93C-ROX-010816	1/8/2016		44.68	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	P93C-ROX-041816	4/18/2016		44.06	NE	0.00085 J	<0.005	<0.025	<0.001	<0.025	0.00099 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0011	<0.001	<0.025	<0.005	<0.005	0.00067 J
	P93C-ROX-071216	7/12/2016		43.37	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0029	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	P93C-ROX-101816	10/18/2016		42.49	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0026	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	P93C-ROX-011117	1/11/2017		42.20	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0054	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	P93C-ROX-040517	4/5/2017	92.47 - 97.47	42.19	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0043	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
P-93D	P93D-ROX-071714	7/17/2014	125.75 - 127.75	45.78	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0011 J	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-101514	10/15/2014		45.14	NE	<0.01	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.01	0.0083 J	<0.05	<0.05	<0.01	<0.01	<0.01
	P93D-ROX-110414	11/4/2014		45.14	NE	0.0013	<0.005	<0.005	<0.005	<0.005	0.002	<0.005	0.00067 J	<0.005	<0.001	0.0018	<0.005	<0.005	<0.001	0.00057 J	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-012315	1/23/2015		42.28	NE	<0.25	<1.3	<1.3	<1.3	<1.3	<0.25	<1.3	<1.3	<1.3	<0.25	<0.25	<1.3	<1.3	<0.25	<1.3	<1.3	<1.3	<0.25	<0.25	<0.25
	P93D-ROX-021915	2/19/2015		42.28	NE	<2.5	<5	<25	<2.5	<13	<2.5	<13	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5	<5	<25	<5	<2.5	<7.5
	P93D-ROX-042015	4/20/2015		48.52	NE	<0.1	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5 UJ	<0.5	<0.5	<0.1	<0.1	<0.5 UJ	<0.5	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
	P93D-ROX-070915	7/9/2015		47.96	NE	<0.5	<2.5	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P93D-ROX-101515	10/15/2015		45.28	NE	<0.1	<0.5	<2.5	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.5	<0.5	0.081 J
	P93D-ROX-011316	1/13/2016		45.10	NE	<0.1	<0.5	<2.5	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.5	<0.5	<0.5
	P93D-ROX-041916	4/19/2016		44.61	NE	<0.05	<0.25	<1.3	<0.05	<1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.3	<0.25	<0.25	<0.25
	P93D-ROX-071516	7/15/2016		43.83	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	P93D-ROX-101716	10/17/2016		42.78	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0026	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	P93D-ROX-011017	1/10/2017		42.59	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.0023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	P93D-ROX-040617	4/6/2017	125.75 - 127.75	42.80	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
P-114	P114-ROX-071814	7/18/2014	32.67 - 52.67	30.87	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0037	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P114-ROX-101714	10/17/2014		29.43	NE	0.00045 J J	<0.005	<0.005	<0.005	<0.005	0.0098 J	<0.005	0.00087 J J	<0.005	<0.001	<0.001	<0.005 UJ	<0.005	<0.001	<0.005	0.00043 J J	<0.005 UJ	0.00059 J J	<0.001	0.00059 J J
	P114-ROX-012115	1/21/2015		31.53	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0268 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	0.00046 J J	<0.005	<0.005	0.00068 J J	<0.001	0.00093 J J
	P114-ROX-041715	4/17/2015		NM	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0237	<0.005 UJ	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P114-ROX-070815	7/8/2015		29.16	NE	<0.001	<0.005	<0.005	<0.005	<0.005	0.0265	0.002 J	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
P-114R	P114R-ROX-100515	10/5/2015	23.01 - 33.01	28.15	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	P114R-ROX-010716	1/7/2016			NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.00091 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	P114R-ROX-040816	4/8/2016			NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.00084 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	P114R-ROX-070816	7/8/2016			NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.00082 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	P114R-ROX-100716	10/7/2016		23.89	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	P114R-ROX-010617	1/6/2017		24.81	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00098 J	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
	P114R-ROX-041317	4/13/2017	23.01 - 33.01	25.05	NE	<0.001	<0.005	<0.025	<0.001	<0.025	0.00085 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)	0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
ROST-3-MW	ROST3MW-ROX-071414	7/14/2014	37.81 - 47.81	41.88	NE	0.008	<0.005	<0.005	0.00053 J	<0.005	<0.001	0.0045 J	0.00098 J	<0.005	<0.001	0.0024	<0.005	<0.005	<0.001	0.0132	0.0032 J	<0.005	0.0371	0.0041	0.0412
	ROST3MW-ROX-100914	10/9/2014		41.31	NE	0.0398	<0.005	<0.005	0.0021 J	<0.005	<0.001 UJ	0.0061	0.0028 J	<0.005	<0.001	0.0032	<0.005	<0.005	<0.001	0.018	0.005	<0.005 UJ	0.0651	0.0205	0.0856
	ROST3MW-ROX-011515	1/15/2015		41.83	NE	0.0144	<0.005	<0.005	0.0016 J	<0.005	<0.001	0.0061	0.0021 J	<0.005	<0.001	0.0011	<0.005	<0.005	<0.001	0.0126	0.0036 J	<0.005	0.0166	0.0042	0.0209
	ROST3MW-ROX-041315	4/13/2015		43.43	NE	0.0085	<0.005	<0.005	0.0014 J J	<0.005	<0.001	<0.005 UJ	0.0015 J J	<0.005	<0.001	0.0008 J	<0.005	<0.005	<0.001	0.0055 J	0.00068 J	<0.005	0.0015	0.0029	0.0044
	ROST3MW-ROX-071315	7/13/2015		42.36	NE	0.02	<0.00071 U	<0.005	0.00093 J	<0.005	<0.001	0.0052 J	0.0012 J	<0.005	<0.001	0.0027	<0.0015 U	<0.0013 U	<0.001	0.0059	0.00061 J	0.0583	0.0263	0.0065	0.0328
	ROST3MW-ROX-101215	10/12/2015		40.29	NE	0.06	<0.005	<0.025	0.0023	<0.025	<0.001	0.008	0.0029	<0.001	<0.001	0.0036	<0.001	<0.001	<0.001	0.02	0.0045	<0.025	0.13	0.024	0.16
	ROST3MW-ROX-011416	1/14/2016		40.30	NE	0.027	<0.005	<0.025	0.0016	<0.025	<0.001	0.0071	0.0018	<0.001	<0.001	0.0016	<0.001	<0.001	<0.001	0.008	0.0015	<0.025	0.04	0.0077	0.047
	ROST3MW-ROX-041216	4/12/2016		39.69	NE	0.0011	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	0.00064 J
	ROST3MW-ROX-071416	7/14/2016		38.70	NE	0.0042	<0.005	<0.025	0.00055 J	<0.025	<0.001	0.0035	<0.001	<0.001	<0.001	0.0015	<0.001	<0.001	<0.001	0.0029	<0.001	<0.025	0.0042 J	0.0017 J	0.0058 J
	ROST3MW-ROX-101316	10/13/2016		38.19	NE	0.036	<0.005	<0.025	0.0021	<0.025	<0.001	0.0078	0.0031	<0.001	<0.001	0.0016	<0.001	<0.001	<0.001	0.022	0.0032	<0.025	0.044	0.0083	0.053
	ROST3MW-ROX-011117	1/11/2017		37.50	NE	0.0058	<0.005	<0.025	0.00089 J	<0.025	<0.001	0.0015	0.0014	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0026	<0.001	<0.025	0.0016 J	<0.005	0.0021 J
	ROST3MW-ROX-041417	4/14/2017	37.81 - 47.81	38.07	NE	<0.001	<0.005	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
ROST-4-PZ(C)	ROST4C-ROX-071114	7/10/2014	34.95 - 44.95	42.22	NE	0.0594	<0.005	<0.005	0.00037 J	<0.005	<0.001	0.0104 J	<0.005	<0.005	<0.001	0.0421	<0.005 UJ	<0.005	<0.001	0.00082 J	<0.005	<0.005	0.0574	0.0815	0.139
	ROST4PZC-ROX-100914	10/9/2014		41.30	NE	0.0688	<0.005	<0.005	0.0011 J	<0.005	<0.001 UJ	0.0169	0.0011 J	<0.005	<0.001	0.0196	<0.005	<0.005	<0.001	0.0046 J	0.00047 J	<0.005 UJ	0.112	0.0634	0.176
	ROST4PZC-ROX-011515	1/15/2015		41.65	NE	0.0035	<0.005	<0.005	0.00036 J	<0.005	<0.001	<0.005	0.00056 J	<0.005	<0.001	0.0005 J	<0.005	<0.005	<0.001	0.0011 J	<0.005	<0.005	0.0026	0.0031	0.0057
	ROST4PZC-ROX-041315	4/13/2015		43.00	NE	0.0806	<0.005	<0.005	0.0013 J J	<0.005	<0.001	0.0146 J	0.0013 J J	<0.005	<0.001	0.0313	<0.005	<0.005	<0.001	0.0052 J	0.00075 J	<0.005	0.148	0.0203	0.168
	ROST4PZ-ROX-071315	7/13/2015		42.59	NE	0.159	<0.005	<0.005	0.0037 J	<0.005	<0.001	0.0806	0.0053	<0.005	<0.001	0.0456	<0.005	<0.005	<0.001	0.0334	0.0052	<0.005	0.4	0.0302	0.43
	ROST4PZC-ROX-101215	10/12/2015		40.35	NE	0.15	<0.005	<0.025	0.0051	<0.025	<0.001	0.082	0.0059	<0.001	<0.001	0.042	<0.001	<0.001	<0.001	0.036	0.0066	<0.025	0.53	0.036	0.57
	ROST4PZC-ROX-011516	1/15/2016		40.54	NE	0.036	<0.01	<0.05	0.0044	<0.05	<0.002	0.071	0.006	<0.002	<0.002	0.03	<0.002	<0.002	<0.002	0.037	0.004	<0.05	0.17	0.02	0.19
	ROST4PZC-ROX-041316	4/13/2016		39.61	NE	0.067	<0.01	<0.05	0.0073	<0.05	<0.002	0.12	0.01	<0.002	<0.002	0.039	<0.002	<0.002	<0.002	0.063	0.013	<0.05	0.49	0.014	0.51
	ROST4PZC-ROX-071516	7/15/2016		38.93	NE	0.047	<0.01	<0.05	0.0089	<0.05	<0.002	0.1	0.012	<0.002	<0.002	0.029	<0.002	<0.002	<0.002	0.065	0.018	<0.05	0.27	0.0065 J	0.28
	ROST4PZC-ROX-101316	10/13/2016		38.45	NE	0.089	<0.01	<0.05	0.0049	<0.05	<0.002	0.087	0.0074	<0.002	<0.002	0.023	<0.002	<0.002	<0.002	0.039	0.01	<0.05	0.26	0.0048 J	0.27
	ROST4PZC-ROX-011217	1/12/2017		37.88	NE	0.061	<0.005	<0.025	0.0064	<0.025	<0.001	0.081	0.0098	<0.001	<0.001	0.017	<0.001	<0.001	0.00055 J	0.048	0.011	<0.025	0.13	0.0059	0.14
	ROST4PZC-ROX-041717	4/17/2017	34.95 - 44.95	38.36	NE	0.088	<0.01	<0.05	0.0073	<0.05	<0.002	0.12	0.012	<0.002	<0.002	0.028	<0.002	<0.002	<0.002	0.074	0.013	<0.05	0.3	0.007 J	0.31

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																		
						Ethylbenzene	Hexachlorobutadiene	2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)	0.7 [1]	0.007 [3]	0.035 [3]	0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
T-12	T12-ROX-070814	7/8/2014	46.72 - 72.72	45.13	NE	0.614	<0.005	<0.005	0.0577 J	<0.005	<0.001	0.146	0.0912	<0.005	<0.001	0.686	<0.005	<0.005	<0.001	0.425	0.0589	<0.005	1.25	0.0909	1.3
	T12-ROX-101714	10/17/2014		44.40	NE	1.75	<0.05	<0.05	0.0459 J	<0.05	<0.01	0.184 J	0.0707	<0.05	<0.01	0.722	<0.05 UJ	<0.05	<0.01	0.244	0.0391 J	<0.05 UJ	2.25	0.114	2.36
	T12-ROX-011915	1/19/2015	46.83 - 72.83	45.27	NE	0.596	<0.05	<0.05	0.0432 J	<0.05	0.0033 J	0.196	0.0745	<0.05	<0.01	0.337	<0.05	<0.05	<0.01	0.391	0.0521	<0.05	1.3	0.0747	1.38
	T12-ROX-041515	4/15/2015		46.73	NE	1.34	<0.005	<0.005	0.0662	<0.005	<0.001	0.131 J	0.117	<0.005	<0.001	0.658	<0.005	<0.005	<0.001	0.331	0.0543	<0.005	1.62	0.177	1.62
	T12-ROX-071015	7/10/2015		46.09	NE	0.197	<0.05	<0.05	0.0222 J	<0.05	<0.01	0.0798	0.0455 J	<0.05	<0.01	0.0782	<0.05	<0.05	<0.01	0.185	0.0173 J	<0.05	0.594	0.0097 J	0.603
	T12-ROX-101515	10/15/2015		43.72	NE	0.2	<0.05	<0.25	0.034	<0.25	<0.01	0.081	0.055	<0.01	<0.01	0.096	<0.01	<0.01	<0.01	0.15	0.016	<0.25	0.55	0.008 J	0.56
	T12-ROX-011216	1/12/2016		44.13	NE	0.098	<0.05	<0.25	0.015	<0.25	0.037	0.1	0.019	<0.01	<0.01	0.084	<0.01	<0.01	<0.01	0.13	0.014	<0.25	0.45	0.0074 J	0.46
	T12-ROX-041516	4/15/2016		42.07	NE	0.023	<0.025	<0.13	0.015	<0.13	<0.005	0.064	0.021	<0.005	<0.005	0.053	<0.005	<0.005	<0.005	0.053	0.0094	<0.13	0.21	0.0045 J	0.22
	T12-ROX-071216	7/12/2016		41.50	NE	0.15	<0.05	<0.25	0.026	<0.25	<0.01	0.058	0.04	<0.01	<0.01	0.064	<0.01	<0.01	<0.01	0.051	0.011	<0.25	0.16	0.0079 J	0.16
	T12-ROX-101716	10/17/2016		41.19	NE	0.12	<0.05	<0.25	0.014	<0.25	0.023	0.09	0.022	<0.01	<0.01	0.15	<0.01	<0.01	<0.01	0.063	0.0073 J	<0.25	0.37	0.0082 J	0.38
	T12-ROX-011217	1/12/2017		40.70	NE	0.051	<0.05	<0.25	0.012	<0.25	0.041	0.054	0.02	<0.01	<0.01	0.065	<0.01	<0.01	<0.01	0.046	0.009 J	<0.25	0.22	0.008 J	0.23
	T12-ROX-040617	4/6/2017	46.83 - 72.83	41.18	NE	0.02	<0.05	<0.25	0.0072 J	<0.25	0.029	0.016	0.012	<0.01	<0.01	0.032	<0.01	<0.01	<0.01	0.015	<0.01	<0.25	0.066	<0.05	0.069 J

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethylether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-01	MW1-ROX-070914	7/9/2014	48.80 - 58.80	42.09	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW1-ROX-100614	10/6/2014		41.1	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW1-ROX-011215	1/12/2015		42.73	NE	0.00003 J	0.000027 J	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW1-ROX-040615	4/6/2015		44.11	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	0.00046 J	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW1-ROX-070815	7/8/2015		43.35	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW1-ROX-100615	10/6/2015		40.83	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW1-ROX-010816	1/8/2016		40.93	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW1-ROX-041216	4/12/2016		40.35	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	0.011	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW1-ROX-071416	7/14/2016		39.43	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW1-ROX-101316	10/13/2016		38.79	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW-1-ROX-011217	1/12/2017		38.35	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093
	MW1-ROX-041717	4/17/2017	48.80 - 58.80	38.50	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
MW-02	MW2-ROX-071414	7/14/2014	49.87 - 59.87	43.13	NE	0.000084 J	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	0.00037 J	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW2-ROX-101014	10/10/2014		42.49	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.0051	<0.002	<0.0051	<0.0001	<0.0001	<0.002	<0.0051	<0.01
	MW2-ROX-011615	1/16/2015		44.1	NE	0.00018	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW2-ROX-041315	4/13/2015		45.56	NE	0.000041 J	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	0.001 J	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW2-ROX-071315	7/13/2015		44.53	NE	0.000042 J	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	0.0028 J
	MW2-ROX-101215	10/12/2015		42.15	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW2-ROX-011416	1/14/2016		42.04	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW2-ROX-041316	4/13/2016		41.59	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	0.0044 J	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW2-ROX-071416	7/14/2016		40.79	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW2-ROX101316	10/13/2016		40.10	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097
	MW2-ROX-011217	1/12/2017		39.58	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093
	MW2-ROX-041717	4/17/2017	49.87 - 59.87	39.68	NE	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01	<0.01	<0.0035 U	<0.01	<0.00021	<0.00021	<0.01	<0.01	<0.01
MW-03	MW3-ROX-071114	7/10/2014	34.67 - 44.67	29.05	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.011	<0.011	<0.0054	<0.0054	0.0013 J	<0.0054	0.000028 J	<0.0001	<0.0022	<0.0054	<0.011
	MW3-ROX-100914	10/9/2014		28.18	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW3-ROX-011515	1/15/2015		29.65	NE	0.000027 J	<0.00011	0.000021 J J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW3-ROX-041015	4/10/2015		31.16	NE	0.000018 J	<0.0001	0.000019 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.011	<0.011	<0.0053	<0.0053	<0.00073 U	<0.0053	<0.0001	<0.0001	<0.0021	<0.0053	<0.011
	MW3-ROX-071015	7/10/2015		30.01	NE	<0.00011	<0.00011	0.00002 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW3-ROX-100915	10/9/2015		27.98	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW3-ROX-010716	1/7/2016		27.92	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW3-ROX-040616	4/6/2016		27.07	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW3-ROX-070816	7/8/2016		26.51	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002 UJ	<0.01	<0.01	<0.01
	MW3-ROX100716	10/7/2016		25.79	NE	<0.0002	<0.0002 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW3-ROX-010617	1/6/2017		25.65	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028 UJ	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.0093 UJ	<0.0093
	MW3-ROX-041117	4/11/2017	34.67 - 44.67	25.71	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethylether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-04	MW4-ROX-071614	7/16/2014	46.06 - 56.06	40.18	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	0.00038 J	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	MW4-ROX-101614	10/16/2014		39.49	NE	<0.00012	<0.00012	<0.00012	<0.000059	<0.00012	<0.000059	<0.00012	<0.00012	<0.012	<0.012	<0.0059	<0.0059	<0.0024	<0.0059	<0.00012	<0.00012	<0.0024	<0.0059	<0.012
	MW4-ROX-012115	1/21/2015		41.27	NE	0.000019 J	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW4-ROX-042115	4/21/2015	45.06 - 55.06	42.58	NE	0.000027 J	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	MW4-ROX-071415	7/14/2015		41.30	NE	0.000023 J	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW4-ROX-101915	10/19/2015		39.44	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW4-ROX-011316	1/13/2016		39.10	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW4-ROX-041916	4/19/2016		38.50	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW4-ROX-071416	7/14/2016		37.85	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW4-ROX-100616	10/6/2016		37.18	NE	<0.0002	<0.0002 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW4-ROX-010917	1/9/2017		36.84	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	0.013	<0.0097	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097
	MW4-ROX-041017	4/10/2017	45.06 - 55.06	36.93	NE	<0.0002	<0.0002	<0.0002	0.000047 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.031	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	0.000051 J	<0.01	<0.01	<0.01
MW-05	MW5-ROX-071414	7/14/2014	33.97 - 43.97	28.59	NE	0.000075 J	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW-5-ROX-100914	10/9/2014		27.75	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW5-ROX-011515	1/15/2015		29.34	NE	0.00012	<0.00011	0.00007 J J	0.000035 J J	<0.00011	<0.000053	0.00002 J J	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	0.000025 J J	0.000017 J J	<0.0021	<0.0053	<0.011
	MW5-ROX-041315	4/13/2015		30.97	NE	0.000073 J	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW5-ROX-071315	7/13/2015		29.45	NE	0.000062 J	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW5-ROX-101215	10/12/2015		27.53	NE	<0.0002	<0.0002	<0.0002	<0.0002	0.00008 J	0.000088 J	0.000087 J	0.000088 J	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	0.000071 J	0.000078 J	<0.01	<0.01	<0.01
	MW5-ROX-011416	1/14/2016		27.19	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW5-ROX-040616	4/6/2016		26.80	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW5-ROX-070816	7/8/2016		26.28	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002 UJ	<0.01	<0.01	<0.01
	MW5-ROX-101016	10/10/2016		25.47	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029 UJ	<0.0098 UJ	0.00073 J	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098 UJ	<0.0098 UJ
	MW5-ROX-010617	1/6/2017		25.33	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028 UJ	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.0093 UJ	<0.0093
	MW5-ROX-041217	4/12/2017	33.97 - 43.97	25.32	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096
MW-06A	MW6A-ROX-071014	7/10/2014	34.83 - 44.83	30.75	NE	<0.00011	0.000075 J	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW6A-ROX-100814	10/8/2014		29.84	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW6A-ROX-011415	1/14/2015		31.54	NE	0.000089 J	0.00004 J	0.00006 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW6A-ROX-040715	4/7/2015		33.08	NE	0.000061 J	0.000085 J	0.000027 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.0051	<0.002	<0.0051	<0.0001	<0.0001	<0.002	<0.0051	<0.01
	MW6A-ROX-071515	7/15/2015		31.52	NE	0.00011	<0.00011	0.000047 J	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0057	<0.0023	<0.0057	<0.00011	<0.00011	<0.0023	<0.0057	<0.011
	MW6A-ROX-100715	10/7/2015		29.77	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6A-ROX-011116	1/11/2016		29.36	NE	0.00017 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6A-ROX-040716	4/7/2016		29.07	NE	0.00012 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6A-ROX-071116	7/11/2016		28.45	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6A-ROX-101116	10/11/2016		27.51	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6A-ROX-011017	1/10/2017		27.43	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093
	MW6A-ROX-041217	4/12/2017	34.83 - 44.83	27.38	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethylether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-06B	MW6B-ROX-071014	7/10/2014	64.05 - 69.05	30.81	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW6B-ROX-100814	10/8/2014		29.87	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW6B-ROX-011415	1/14/2015		31.59	NE	<0.00011	0.000016 J	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW6B-ROX-040715	4/7/2015		33.10	NE	<0.0001	0.000016 J	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.0051	<0.002	<0.0051	<0.0001	<0.0001	<0.002	<0.0051	<0.01
	MW6B-ROX-040715-DUP	4/7/2015		33.10	NE	<0.0001	0.000016 J	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	MW6B-ROX-071415	7/14/2015		31.56	NE	0.00012	0.000017 J	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW6B-ROX-100715	10/7/2015		29.80	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6B-ROX-011116	1/11/2016		29.41	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6B-ROX-040716	4/7/2016		29.11	NE	0.00005 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6B-ROX-071116	7/11/2016		28.49	NE	<0.0002	<0.0002	<0.0002	0.000054 J	0.000082 J	0.00014 J	0.000079 J	0.00013 J	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	0.00004 J	0.000069 J	<0.01	<0.01	<0.01
	MW6B-ROX-101116	10/11/2016		27.56	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.0028 U	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6B-ROX-011017	1/10/2017		27.49	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	0.0025 J	<0.0093	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093
	MW6B-ROX-041217	4/12/2017	64.05 - 69.05	27.44	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095
MW-06C	MW6C-ROX-071014	7/10/2014	84.95 - 89.95	30.60	NE	<0.00011	<0.00011	<0.00011	0.000034 J	<0.00011	<0.000056	0.000035 J	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	0.000037 J	<0.00011	<0.0022	<0.0056	<0.011
	MW6C-ROX-100814	10/8/2014		29.67	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW6C-ROX-011415	1/14/2015		31.41	NE	0.000017 J	<0.00011	0.000024 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW6C-ROX-040915	4/9/2015		32.80	NE	<0.00011	<0.00011	0.000016 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW6C-ROX-071415	7/14/2015		31.38	NE	0.000027 J	0.00002 J	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW6C-ROX-100715	10/7/2015		29.60	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6C-ROX-010816	1/8/2016		29.31	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6C-ROX-040716	4/7/2016		28.91	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6C-ROX-071116	7/11/2016		28.30	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6C-ROX-101016	10/10/2016		27.37	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095 UJ	<0.0095	<0.0095	0.0026 J	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095
	MW6C-ROX-011017	1/10/2017		27.26	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093
	MW6C-ROX-041217	4/12/2017	84.95 - 89.95	27.24	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095
MW-06D	MW6D-ROX-071014	7/10/2014	104.72 - 109.72	31.47	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW6D-ROX-071014-DUP	7/10/2014		31.47	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW6D-ROX-100814	10/8/2014		29.53	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	0.016	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW6D-ROX-100814-DUP	10/8/2014		29.53	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW6D-ROX-011415	1/14/2015		31.26	NE	<0.00011	<0.00011	0.000026 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW6D-ROX-011415-DUP	1/14/2015		31.26	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW6D-ROX-040715	4/7/2015		32.74	NE	0.000016 J	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW6D-ROX-071415	7/14/2015		31.19	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW6D-ROX-100715	10/7/2015		29.45	NE	<0.0002	<0.0002	<0.0002	<0.0002	0.000059 J	0.000054 J	0.000049 J	0.000047 J	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6D-ROX-010816	1/8/2016		29.59	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6D-ROX-010816-DUP	1/8/2016		29.59	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6D-ROX-040716	4/7/2016		28.76	NE	0.000058 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6D-ROX-040716-DUP	4/7/2016		28.76	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6D-ROX-071116	7/11/2016		28.16	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	0.013	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6D-ROX-071116-DUP	7/11/2016		28.16	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW6D-ROX-101016	10/10/2016		27.26	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029 UJ	<0.0098 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0098 UJ	<0.0098 UJ
	MW6D-ROX-101016-DUP	10/10/2016		27.26	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029 UJ	<0.0098 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0098 UJ	<0.0098 UJ
	MW6D-ROX-011017	1/10/2017		27.14	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093
	MW6D-ROX-011017-DUP	1/10/2017		27.14	NE	<0.00019	<0.00019	<0.00019	0.000062 J	0.000057 J	0.00007 J	0.000075 J	0.000072 J	<0.028	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	0.000068 J	0.000086 J	<0.0093	<0.0093	<0.0093
	MW6D-ROX-041217	4/12/2017	104.72 - 109.72	27.10	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096
	MW6D-ROX-041217-DUP	4/12/2017		27.10	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethylether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-07	MW7-ROX-071614	7/16/2014	42.92 - 52.92	42.05	NE	0.00024	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	MW7-ROX-071614-DUP	7/16/2014		42.05	NE	0.00022	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	MW7-ROX-101614	10/16/2014		41.31	NE	0.00024	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW7-ROX-101614-DUP	10/16/2014		41.31	NE	0.00022	<0.00011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0057	<0.0023	<0.0057	<0.00011	<0.00011	<0.0023	<0.0057	<0.011
	MW7-ROX-012215	1/22/2015		43.45	NE	0.00026	0.000051 J	0.000056 J J	<0.00005 U	0.000028 J	0.00013 J	0.000034 J	0.000026 J	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.000046 U	0.000025 J	<0.0021	<0.0053	0.00072 J
	MW7-ROX-012215-DUP	1/22/2015		43.45	NE	0.00025	0.000044 J	0.00046 J	<0.000052	<0.0001	<0.000052 UJ	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	0.00039 J	<0.0052	<0.000021 U	<0.0001	<0.0021	<0.0052	0.00071 J
	MW7-ROX-042115	4/21/2015		44.63	NE	0.00038	0.000059 J	0.000055 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.0051	<0.002	<0.0051	0.000022 J	<0.0001	0.00028 J	<0.0051	0.0014 J
	MW7-ROX-042115-DUP	4/21/2015		44.63	NE	0.00036	0.000053 J	0.00005 J	<0.000051	0.000024 J	<0.000051	0.000018 J	<0.0001	<0.01	<0.01	<0.0051	<0.0051	0.00033 J	<0.0051	0.000028 J	0.000016 J	<0.002	<0.0051	0.0012 J
	MW7-ROX-071515	7/15/2015		43.54	NE	0.00027	0.000038 J	0.000038 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.0051	0.00037 J	<0.0051	0.000033 J	<0.0001	<0.002	<0.0051	<0.01
	MW7-ROX-071515-DUP	7/15/2015		43.54	NE	0.00025	0.000043 J	0.000039 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	0.000034 J	<0.0001	<0.0021	<0.0052	<0.01
	MW7-ROX-101915	10/19/2015		41.43	NE	0.00012 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0043 J
	MW7-ROX-101915-DUP	10/19/2015		41.43	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.011 J *	<0.01	<0.01	<0.01	0.0024 J	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0044 J
	MW7-ROX-011416	1/14/2016		41.02	NE	0.00019 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.018 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0035 J
	MW7-ROX-011416-DUP	1/14/2016		41.02	NE	0.00023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.022 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0036 J
	MW7-ROX-041916	4/19/2016		40.68	NE	0.00024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.031	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0048 J
	MW7-ROX-041916-DUP	4/19/2016		40.68	NE	0.00021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.021 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0042 J
	MW7-ROX-071416	7/14/2016		39.99	NE	0.00031	0.000058 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW7-ROX-071416-DUP	7/14/2016		39.99	NE	0.00023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW7-ROX-100616	10/6/2016		39.24	NE	0.00017 J	<0.0002 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW7-ROX-100616-DUP	10/6/2016		39.24	NE	0.00016 J	<0.0002 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	0.0023 J	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0038 J
	MW7-ROX-010917	1/9/2017		38.90	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW7-ROX-041017	4/10/2017		38.88	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.015 J *	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.0097	0.0051 J
	MW7-ROX-041017-DUP	4/10/2017		38.88	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.016 J *	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.0097	0.005 J
MW-08	MW8-ROX-071614	7/16/2014	33.60 - 43.60	33.01	NE	0.00018	0.000068 J	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	0.00038 J	<0.0052	<0.0001	<0.0001	0.00041 J	0.00057 J	<0.01
	MW8-ROX-101614	10/16/2014		32.23	NE	0.00021	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	0.0099 J
	MW8-ROX-012215	1/22/2015		34.22	NE	0.00027	0.000073 J	0.000035 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	0.0172
	MW8-ROX-042115	4/21/2015		35.41	NE	0.00018	0.000052 J	0.000034 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	0.00045 J	<0.0053	0.0201
	MW8-ROX-071515	7/15/2015		34.07	NE	0.00018	<0.00011	0.000037 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	0.0171	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW8-ROX-101915	10/19/2015		32.30	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0065 J
	MW8-ROX-011416	1/14/2016		31.79	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.008 J
	MW8-ROX-041916	4/19/2016		31.45	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.012
	MW8-ROX-071416	7/14/2016		30.80	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW8-ROX-100616	10/6/2016		29.99	NE	<0.0002	<0.0002 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0035 J
	MW8-ROX-010917	1/9/2017		29.79	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098
	MW8-ROX-041017	4/10/2017		29.80	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0061 J

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethylether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
			Screening Values (mg/L)			0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-09	MW9-ROX-070914	7/9/2014	46.45 - 56.45	44.35	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	0.00036 J	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW9-ROX-100714	10/7/2014		43.52	NE	<0.00012	<0.00012	<0.00012	<0.000059	<0.00012	<0.000059	<0.00012	<0.00012	<0.012	<0.012	<0.0059	<0.0059	<0.0024	<0.0059	<0.00012	<0.00012	<0.0024	<0.0059	<0.012
	MW9-ROX-011315	1/13/2015		44.21	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01 UJ	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	MW9-ROX-040915	4/9/2015		45.38	NE	0.00002 J	<0.0001	0.00002 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.00026 U	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	MW9-ROX-070915	7/9/2015		44.81	NE	<0.00011	<0.00011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0055	<0.0022	<0.0055	<0.00011	<0.00011	<0.0022	<0.0055	<0.011
	MW9-ROX-100815	10/8/2015		42.64	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW9-ROX-011316	1/13/2016		42.63	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW9-ROX-041216	4/12/2016		41.98	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW9-ROX-071316	7/13/2016		40.93	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW9-ROX-101316	10/13/2016		40.39	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03 UJ	<0.01	<0.01	<0.01	0.0052 J	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW9-ROX-011117	1/11/2017		40.06	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	<0.005 U	<0.0093	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093
	MW9-ROX-041417	4/14/2017	46.45 - 56.45	40.56	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.0096 UJ	<0.0096
MW-10	MW10-ROX-070914	7/9/2014	44.43 - 54.43	44.35	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	0.00052 J	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW10-ROX-100714	10/7/2014		43.58	NE	<0.00011	<0.00011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0057	<0.0023	<0.0057	<0.00011	<0.00011	<0.0023	<0.0057	<0.011
	MW10-ROX-011315	1/13/2015		44.27	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0056	<0.0056	0.00042 J	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW10-ROX-040815	4/8/2015		45.30	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.0051	<0.002	<0.0051	<0.0001	<0.0001	<0.002	<0.0051	<0.01
	MW10-ROX-070915	7/9/2015		44.93	NE	0.000023 J	<0.00011	0.000039 J	0.000035 J	0.000022 J	0.000028 J	0.000027 J	0.000041 J J	<0.011	<0.011	<0.0054	<0.0054	0.00045 J	0.00028 J	0.000045 J	0.00002 J	<0.0022	<0.0054	<0.011
	MW10-ROX-100915	10/9/2015		42.79	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW10-ROX-011316	1/13/2016		42.53	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW10-ROX-041116	4/11/2016		41.88	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW10-ROX-071316	7/13/2016		41.00	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW10-ROX-101216	10/12/2016		40.27	NE	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.032 UJ	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00021	<0.00021	<0.011	<0.011	<0.011
	MW10-ROX-011117	1/11/2017		39.88	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093
	MW10-ROX-041417	4/14/2017	44.43 - 54.43	40.43	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	0.0025 J	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095 UJ	<0.0095
MW-11	MW11-ROX-070914	7/9/2014	41.66 - 51.66	41.75	NE	<0.00011	<0.00011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0057	<0.0023	<0.0057	<0.00011	<0.00011	<0.0023	<0.0057	<0.011
	MW11-ROX-100714	10/7/2014		40.89	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	MW11-ROX-011315	1/13/2015		41.93	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW11-ROX-040815	4/8/2015		43.19	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW11-ROX-070915	7/9/2015		42.45	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW11-ROX-100815	10/8/2015		40.15	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	0.0068 J	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW11-ROX-011216	1/12/2016		40.33	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW11-ROX-041116	4/11/2016		39.49	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW11-ROX-071316	7/13/2016		38.59	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	0.011	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW11-ROX-101216	10/12/2016		37.93	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029 UJ	<0.0098	<0.0098	<0.0098	0.0042 J	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098
	MW11-ROX-011117	1/11/2017		37.63	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	0.0045 J	<0.0093	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093
	MW11-ROX-041417	4/14/2017	41.66 - 51.66	37.98	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	0.0027 J	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095 UJ	<0.0095

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethylether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-12	MW12-ROX-070914	7/9/2014	41.92 - 51.92	41.97	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW12-ROX-100614	10/6/2014		40.98	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW12-ROX-011215	1/12/2015		42.33	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW12-ROX-040615	4/6/2015		43.75	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW12-ROX-070815	7/8/2015		42.86	NE	0.000018 J	<0.00011	<0.00011	0.000046 J	0.000067 J	0.000083	0.000081 J	0.00011 J	<0.011 UJ	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	0.00008 J	<0.00011	<0.0022	<0.0056	<0.011
	MW12-ROX-100815	10/8/2015		40.54	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW12-ROX-100815-DUP	10/8/2015		40.54	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW12-ROX-011116	1/11/2016		40.98	NE	<0.0002	<0.0002	<0.0002	0.000085 J	0.00016 J	0.00035	0.00019 J	0.00014 J	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	0.00028	<0.0002	<0.01	<0.01	<0.01
	MW12-ROX-040716	4/7/2016		39.82	NE	0.000069 J	<0.0002	<0.0002	<0.0002	0.000054 J	0.000064 J	0.000045 J	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW12-ROX-071216	7/12/2016		38.89	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW12-ROX-101116	10/11/2016		38.85	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000061 J	<0.0002	<0.0002	0.0087 J	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW12-ROX-010917	1/9/2017		38.11	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	0.0028 J	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW12-ROX-041417	4/14/2017	41.92 - 51.92	38.29	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01 UJ	<0.01
MW-13	MW13-ROX-070714	7/7/2014	25.57 - 35.57	28.49	NE	<0.00011	0.000061 J	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0055	<0.0022	<0.0055	<0.00011	<0.00011	<0.0022	<0.0055	<0.011
	MW13-ROX-101014	10/10/2014		27.48	NE	<0.00012	0.00019	<0.00012	<0.00006	<0.00012	<0.00006	<0.00012	<0.00012	<0.012	<0.012	<0.006	<0.006	<0.0024	<0.006	<0.00012	<0.00012	<0.0024	<0.006	<0.012
	MW13-ROX-011615	1/16/2015		29.09	NE	0.00014	0.00009 J	0.000053 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	0.00003 J	<0.00011	<0.0021	<0.0053	<0.011
	MW13-ROX-041415	4/14/2015		30.71	NE	<0.00011	0.000075 J	0.000051 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	0.0013 J
	MW13-ROX-070815	7/8/2015		29.16	NE	0.000089 J	0.000057 J	0.000028 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW13-ROX-100515	10/5/2015		27.34	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW13-ROX-010716	1/7/2016		27.16	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW13-ROX-040816	4/8/2016		26.81	NE	0.00015 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW13-ROX-071116	7/11/2016		26.01	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW13-ROX100716	10/7/2016		25.16	NE	<0.0002	<0.0002 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW13-ROX-010617	1/6/2017		25.54	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01 UJ	<0.01
	MW13-ROX-041317	4/13/2017	25.57 - 35.57	25.75	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.01
MW-14	MW14-ROX-070714	7/7/2014	33.42 - 43.42	32.82	NE	0.00033	0.000063 J	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	0.00048 J	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW14-ROX-101414	10/14/2014		31.65	NE	0.00054	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW14-ROX-011615	1/16/2015		33.58	NE	0.00027	0.00006 J	0.000015 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW14-ROX-041415	4/14/2015		35.16	NE	0.00026	0.000057 J	0.00003 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.00011	<0.00011	<0.0021	<0.0052	<0.01
	MW14-ROX-070915	7/9/2015		34.06	NE	0.0002	0.000051 J	0.000027 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0052	0.00051 J	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	MW14-ROX-101315	10/13/2015		31.88	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW-14-ROX-010816	1/8/2016		31.64	NE	0.00015 J	<0.0002	<0.0002	<0.0002	0.000054 J	0.000046 J	0.000075 J	0.000048 J	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW14-ROX-041416	4/14/2016		31.32	NE	0.000074 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW14-ROX-071116	7/11/2016		30.59	NE	0.000059 J	0.00002 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW14-ROX-101416	10/14/2016		29.62	NE	0.000054 J *	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.00019	<0.00019	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ
	MW14-ROX-011117	1/11/2017		29.61	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	0.0039 J	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098
	MW14-ROX-041317	4/13/2017	33.42 - 43.42	29.54	NE	0.000025 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	0.0022 J	<0.0099	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethylether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
					Screening Values (mg/L)	0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-16	MW16-ROX-071014	7/10/2014	37.06 - 47.06	43.15	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW16-ROX-100714	10/7/2014		42.27	NE	<0.00012	<0.00012	<0.00012	<0.00006	<0.00012	<0.00006	<0.00012	<0.00012	<0.012	<0.012	<0.006	<0.006	<0.0024	<0.006	<0.00012	<0.00012	<0.0024	<0.006	<0.012
	MW16-ROX-011315	1/13/2015		43.59	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW16-ROX-040915	4/9/2015		44.87	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW16-ROX-070915	7/9/2015		44.26	NE	0.000026 J	0.00002 J	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0055	<0.0022	<0.0055	<0.00011	<0.00011	<0.0022	<0.0055	<0.011
	MW16-ROX-070915-DUP	7/9/2015		44.26	NE	<0.00011	<0.00011	0.000025 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW16-ROX-100715	10/7/2015		41.83	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW16-ROX-011216	1/12/2016		41.99	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW16-ROX-040816	4/8/2016		41.17	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW16-ROX-071216	7/12/2016		39.93	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW16-ROX-101116	10/11/2016		39.64	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099 UJ	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099
	MW16-ROX-010917	1/9/2017		39.15	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098
	MW16-ROX-041417	4/14/2017	37.06 - 47.06	39.34	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.0097 UJ	<0.0097
MW-22	MW22-ROX-071414	7/14/2014	37.88 - 47.88	41.85	NE	0.00013	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	0.00045 J	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	0.0281
	MW22-ROX-101014	10/10/2014		41.43	NE	0.00029	0.00019	0.00019	<0.000063	<0.00013	<0.000063	<0.00013	<0.00013	<0.013	<0.013	<0.0063	<0.0063	<0.0025	<0.0063	<0.00013	<0.00013	<0.0025	<0.0063	<0.013
	MW22-ROX-011615	1/16/2015		42.19	NE	0.00015	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	0.0329
	MW22-ROX-041415	4/14/2015		43.71	NE	0.00014	<0.0001	0.000027 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	0.0143
	MW22-ROX-071515	7/15/2015		42.64	NE	0.00013	0.000028 J	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.057	<0.057	<0.029	<0.029	<0.011	<0.029	<0.00011	<0.00011	<0.011	<0.029	<0.057
	MW22-ROX-101415	10/14/2015		40.54	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.015
	MW22-ROX-011516	1/15/2016		40.42	NE	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.02 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<0.002	<0.01	<0.01	0.021
	MW22-ROX-011516-DUP	1/15/2016		40.42	NE	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.018 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<0.002	<0.01	<0.01	0.019
	MW22-ROX-041316	4/13/2016		39.56	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	0.0023 J H J	<0.01 UJ	<0.0002	<0.0002	<0.01 UJ	0.0041 J H J	0.035 H J
	MW22-ROX-041316-DUP	4/13/2016		39.56	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	0.0031 J	0.037
	MW22-ROX-071516	7/15/2016		38.97	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	0.0055 J J	0.0071 J
	MW22-ROX-071516-DUP	7/15/2016		38.97	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW22-ROX-101716	10/17/2016		38.17	NE	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098	<0.029	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.00098	<0.00098	<0.0098	<0.0098	0.035
	MW22-ROX-101716-DUP	10/17/2016		38.17	NE	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098	<0.029	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.00098	<0.00098	<0.0098	<0.0098	0.042
	MW22-ROX-011217	1/12/2017		37.80	NE	<0.00093	<0.00093	<0.00093	<0.00093	<0.00093	<0.00093	<0.00093	<0.00093	0.028 *	<0.0093	<0.0093	<0.0093	0.0024 J	<0.0093	<0.00093	<0.00093	<0.0093	<0.0093	<0.0093
	MW22-ROX-011217-DUP	1/12/2017		37.80	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.031 *	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.01
	MW22-ROX-041717	4/17/2017	37.88 - 47.88	38.09	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095	0.0046 J
	MW22-ROX-041717-DUP	4/17/2017		38.09	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.0096	0.0053 J
MW-23	MW23-ROX-012615	1/26/2015	29.02 - 39.02	30.90	NE	<0.001	<0.001	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0002	<0.0002	<0.005	<0.005	<0.005
	MW23-ROX-040815	4/8/2015		32.24	NE	0.000076 J	<0.0001	0.000058 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.0051	<0.002	<0.0051	0.000028 J	<0.0001	<0.002	<0.0051	<0.01
	MW23-ROX-071015-BP	7/10/2015		30.54	NE	0.000036 J	<0.00011	0.000033 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	0.000018 J	<0.00011	<0.0022	<0.0056	<0.011
	MW23-ROX-100515	10/5/2015		28.89	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW-23-ROX-010716	1/7/2016		28.78	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW-23-ROX-040616	4/6/2016		27.96	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW-23-ROX-070816	7/8/2016		27.54	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0091 J	<0.01	<0.01	<0.01	0.0024 J F1	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW23-ROX-BP-100716	10/7/2016		26.64	NE	<0.0002	<0.0002 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098
	MW23-ROX-011017	1/10/2017		26.83	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0089 J	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096
	MW23-ROX-041117	4/11/2017	29.02 - 39.02	26.89	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098

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TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																	
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethylether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																	
MW-24	MW24-ROX-071114	7/10/2014	38.89 - 48.89	42.97	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW24-ROX-100814	10/8/2014		42.16	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW24-ROX-011315	1/13/2015		43.17	NE	0.000074 J	0.000077 J	0.000022 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW24-ROX-040915	4/9/2015		44.45	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0003 U	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW24-ROX-070915	7/9/2015		44.65	NE	<0.0001	<0.0001	0.000044 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	MW24-ROX-100715	10/7/2015		41.45	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW24-ROX-011316	1/13/2016		41.44	NE	<0.0002	<0.0002	<0.0002	0.000078 J	0.000059 J	0.00006 J	0.000067 J J	0.000096 J	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	0.000092 J	0.000081 J	<0.01	<0.01	<0.01
	MW24-ROX-040816	4/8/2016		40.79	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW24-ROX-071216	7/12/2016		39.67	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW24-ROX-101116	10/11/2016		39.19	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW24-ROX-010917	1/9/2017		38.97	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099
	MW24-ROX-041717	4/17/2017	38.89 - 48.89	39.27	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099
MW-25	MW25-ROX-102114	10/21/2014	35.59 - 45.59	36.44	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	0.0025 J
	MW25-ROX-012215	1/22/2015		38.45	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	0.00059 J	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	MW25-ROX-042115	4/21/2015		39.71	NE	0.000032 J	<0.0001	0.000016 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.0051	<0.002	<0.0051	<0.0001	<0.0001	<0.002	<0.0051	<0.01
	MW25-ROX-071515	7/15/2015		38.40	NE	0.000036 J	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	MW25-ROX-101915	10/19/2015		36.55	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW25-ROX-011416	1/14/2016		36.12	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW25-ROX-041916	4/19/2016		35.67	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW25-ROX-071816	7/18/2016		35.19	NE	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.03 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.0002 UJ	<0.0002 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ
	MW25-ROX-100616	10/6/2016		34.27	NE	<0.0002	<0.0002 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW25-ROX-011117	1/11/2017		34.00	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	0.0034 J	<0.0097	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097
	MW25-ROX-041117	4/11/2017	35.59 - 45.59	34.31	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095
MW-26	MW26-ROX-102114	10/21/2014	38.15 - 48.15	39.43	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW26-ROX-011215	1/12/2015		41.09	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01 UJ	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	MW26-ROX-040815	4/8/2015		42.52	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	MW26-ROX-070815	7/8/2015		41.76	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW26-ROX-100615	10/6/2015		39.19	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW26-ROX-010716	1/7/2016		39.55	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW26-ROX-040616	4/6/2016		38.44	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW26-ROX-071216	7/12/2016		37.74	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW26-ROX-101016	10/10/2016		37.13	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	0.0031 J	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW26-ROX-010617	1/6/2017		36.74	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028 UJ	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.0093 UJ	<0.0093
	MW26-ROX-041417	4/14/2017	38.15 - 48.15	36.91	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01 UJ	<0.01
MW-27	MW27-ROX-102114	10/21/2014	39.79 - 49.79	41.57	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW27-ROX-011515	1/15/2015		42.06	NE	<0.00011	<0.00011	<0.00011	<0.000053	0.0001 J J	0.00013 J	0.000029 J J	0.000078 J J	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	0.000051 J J	<0.0021	<0.00029 U	<0.011
	MW27-ROX-041015	4/10/2015		43.22	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.00041 U	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	MW27-ROX-071015	7/10/2015		43.00	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW27-ROX-100815	10/8/2015		40.32	NE	<0.0002	<0.0002	0.000024 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW27-ROX-011316	1/13/2016		40.68	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW27-ROX-041116	4/11/2016		39.73	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW-27-ROX-071316	7/13/2016		38.94	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW27-ROX-101216	10/12/2016		38.50	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029 UJ	<0.0098	<0.0098	<0.0098	0.0077 J	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098
	MW27-ROX-011117	1/11/2017		38.05	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093
	MW27-ROX-041417	4/14/2017	39.79 - 49.79	38.70	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095 UJ	<0.0095

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethylether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-28	MW28-ROX-102114	10/21/2014	33.61 - 43.61	36.44	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	MW28-ROX-011515	1/15/2015		41.14	NE	<0.00011	<0.00011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0055	<0.0022	0.0007 J	<0.00011	<0.00011	<0.0022	<0.0055	0.0012 J
	MW28-ROX-041415	4/14/2015		42.34	NE	<0.00011	<0.00011	<0.00011	<0.000057	0.000027 J	0.00006	0.00004 J	0.00002 J	<0.011	<0.011	<0.0057	<0.0057	<0.0023	<0.0057	<0.00011	<0.00011	<0.0023	<0.0057	<0.011
	MW28-ROX-071515	7/15/2015		42.19	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	MW28-ROX-101215	10/12/2015		40.04	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW28-ROX-101215-DUP	10/12/2015		40.04	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW28-ROX-011416	1/14/2016		39.98	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW28-ROX-041216	4/12/2016		39.20	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW28-ROX-071416	7/14/2016		38.49	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	MW28-ROX-101316	10/13/2016		37.86	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029 UJ	<0.0098	<0.0098	<0.0098	0.0032 J	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098
	MW28-ROX-011217	1/12/2017		37.14	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.014 J *	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093
	MW28-ROX-041717	4/17/2017	33.61 - 43.61	38.02	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099
P-54	P54-ROX-071114	7/10/2014	38.00 - 63.00	41.71	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	P54-ROX-100814	10/8/2014		40.88	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	P54-ROX-011415	1/14/2015		41.79	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	P54-ROX-041015	4/10/2015		43.20	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	P54-ROX-070915	7/9/2015		42.25	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	P54-ROX-100915	10/9/2015		40.20	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P54-ROX-011216	1/12/2016		40.22	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P54-ROX-041216	4/12/2016		39.42	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P54-ROX-071216	7/12/2016		38.44	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	0.0024 J	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P54-ROX-101216	10/12/2016		37.85	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029 UJ	<0.0098	<0.0098	<0.0098	0.006 J	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098
	P54-ROX-010917	1/9/2017		37.80	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P54-ROX-041717	4/17/2017	38.00 - 63.00	38.10	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.0027 U	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
P-56	P56-ROX-070814	7/8/2014	40.82 - 65.82	45.97	NE	0.00035	0.000081 J	0.0001 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	0.00049 J	<0.0056	<0.011
	P56-ROX-101314	10/13/2014		45.05	NE	0.00057	0.00011	0.00012	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	0.001 J	<0.0054	<0.00011	<0.00011	0.00055 J	<0.0054	<0.011
	P56-ROX-011915	1/19/2015		46.58	NE	0.00068	0.000079 J	0.000097 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	P56-ROX-041515	4/15/2015		48.05	NE	0.00061	0.0001 J	0.00013	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	0.00038 J	<0.0054	<0.00011	<0.00011	0.00055 J	<0.0054	0.0026 J
	P56-ROX-071015	7/10/2015		47.34	NE	0.00065	0.000095 J	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	P56-ROX-101415	10/14/2015		44.85	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.028 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P56-ROX-011116	1/11/2016		44.78	NE	0.00057	0.000092 J	0.00021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	0.0089 J	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P56-ROX-041416	4/14/2016		43.73	NE	0.00069	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	0.00054 J	<0.01	<0.01
	P56-ROX-071216	7/12/2016		42.87	NE	0.00026	<0.0002	0.000067 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	0.0023 J	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P56-ROX-101716	10/17/2016		42.35	NE	0.00043	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P56-ROX-011217	1/12/2017		42.01	NE	0.00061	0.0001 J	0.00007 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097
	P56-ROX-040617	4/6/2017	40.82 - 65.82	42.46	NE	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	0.0027 J * J	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																	
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethylether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																	
P-57	P57-ROX-070814	7/8/2014	40.46 - 65.46	45.95	NE	0.00029	0.000069 J	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	0.0007 J	<0.0053	<0.011
	P57-ROX-070814-DUP	7/8/2014		45.95	NE	0.00029	0.000075 J	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	0.00071 J	<0.0054	<0.011
	P57-ROX-101414-DUP	10/14/2014		45.00	NE	0.0003	<0.00012	<0.00012	<0.000058	<0.00012	<0.000058	<0.00012	<0.00012	<0.012	<0.012	<0.0058	<0.0058	<0.0023	<0.0058	<0.00012	<0.00012	<0.0023	<0.0058	<0.012
	P57-ROX-101414	10/14/2014		45.00	NE	0.00036	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	P57-ROX-012315	1/23/2015	44.19 - 54.19	47.52	NE	0.00059	0.00014	0.000073 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	0.0013 J	<0.0053	<0.011
	P57-ROX-042015	4/20/2015		48.73	NE	0.00054	0.00012	0.00009 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	0.0011 J	<0.0052	<0.01
	P57-ROX-071315	7/13/2015		47.81	NE	0.00049	0.0001 J	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	P57-ROX-101515	10/15/2015		45.56	NE	0.00029	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0076 J *	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	0.00067 J	<0.01	<0.01
	P57-ROX-011216	1/12/2016		45.61	NE	0.00046 J	0.00022 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001	<0.001	0.001 J	<0.01	<0.01
	P57-ROX-041816	4/18/2016		44.80	NE	0.00028 H J	<0.0002 UJ	<0.0002 UJ	0.000041 J H J	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.03 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.0002 UJ	<0.0002 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ
	P57-ROX-071316	7/13/2016		44.02	NE	0.00041 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.03	<0.01	<0.01	<0.01	0.038	<0.01	<0.001	<0.001	<0.01	<0.01	<0.01
	P57-ROX-101816	10/18/2016		43.17	NE	0.00058	0.00013 J	0.000032 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03 UJ	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	0.00054 J	<0.01 UJ	<0.01
	P57-ROX-011617	1/16/2017		42.82	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098
	P57-ROX-040717	4/7/2017	44.19 - 54.19	43.05	NE	0.00025 J	<0.001	<0.001	0.00023 J	<0.001	<0.001	<0.001	<0.001	<0.029 UJ	<0.0097 UJ	<0.0097 UJ	<0.0097 UJ	<0.0097 UJ	<0.0097 UJ	<0.001	<0.001	<0.0097 UJ	<0.0097 UJ	<0.0097 UJ
P-58	P58-ROX-071814	7/18/2014	40.21 - 65.21	43.80	NE	0.00067	0.00021	<0.00011	0.000083	0.000086 J	0.000045 J	0.000035 J	<0.00011	<0.011 UJ	<0.011	<0.0055	<0.0055	<0.0022	<0.0055	0.00015	<0.00011	0.0018 J	<0.0055	<0.011
	P58-ROX-101514	10/15/2014		43.14	NE	0.00058	0.00023	<0.00011	0.00013	0.00011	0.000074	0.000065 J	<0.00011	<0.011	<0.011	<0.0054	0.014	<0.00042 U	<0.0054	0.00018	<0.00011	0.0022	<0.0054	<0.011
	P58-ROX-012315	1/23/2015		45.32	NE	0.0006	0.00018	0.000053 J	0.000026 J	0.00002 J	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	0.000032 J	<0.00011	0.0019 J	<0.0053	<0.011
	P58-ROX-042015	4/20/2015		46.67	NE	0.00064	0.00017	0.000077 J	0.000052	0.000063 J	0.000059	0.000028 J	0.000016 J	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	0.000095 J	<0.0001	0.002 J	<0.0052	<0.01
	P58-ROX-071415	7/14/2015		45.54	NE	0.00059	0.00018	<0.00011	0.000087	0.000074 J	<0.000055	0.000042 J	<0.00011	<0.011	<0.011	<0.0055	<0.0055	<0.0022	<0.0055	0.00015	<0.00011	0.002 J	<0.0055	<0.011
	P58-ROX-101615	10/16/2015		43.45	NE	0.00021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	0.00059 J	<0.01	<0.01
	P58-ROX-011316	1/13/2016		43.18	NE	0.00069	0.00022	0.000067 J	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P58-ROX-041816	4/18/2016		42.68	NE	0.00081 H J	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	0.013 J H * J	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	0.00015 J H J	<0.0002 UJ	0.0018 J H J	<0.01 UJ	<0.01 UJ
	P58-ROX-071516	7/15/2016		42.05	NE	0.0003	0.00013 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P58-ROX-101816	10/18/2016		41.05	NE	0.00051 J	0.00021 J	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098	<0.029 UJ	<0.0098 UJ	<0.0098	<0.0098	<0.0098	<0.0098	<0.00098	<0.00098	0.0014 J	<0.0098 UJ	<0.0098
	P58-ROX-011617	1/16/2017		40.73	NE	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.029	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00095	<0.00095	0.0015 J	0.0013 J	<0.0095
	P58-ROX-041117	4/11/2017	40.21 - 65.21	40.74	NE	0.00063 J	0.00017 J	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.028	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	0.00027 J	<0.00095	0.0013 J	<0.0095	<0.0095
P-59	P59-ROX-070814	7/8/2014	47.91 - 72.91	47.69	NE	0.0015	0.000091 J	0.00012	0.000029 J	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0057	<0.0023	<0.0057	0.000027 J	<0.00011	<0.0023	<0.0057	0.17
	P59-ROX-101414	10/14/2014		46.18	NE	0.00045 J	<0.00054	<0.00054	<0.00027	<0.00054	<0.00027	<0.00054	<0.00054	<0.011	<0.011	<0.0054	0.0035 J	<0.0022	<0.0054	<0.00054	<0.00054	<0.0022	<0.0054	0.0492
	P59-ROX-011915	1/19/2015		47.42	NE	0.00075	0.00013	0.00021	0.000038 J	0.000021 J	<0.000054	0.00002 J	<0.00011	<0.011	<0.011	<0.0054	<0.0054	0.00042 J	<0.0054	0.000047 J	<0.00011	<0.0022	<0.0054	0.153
	P59-ROX-041615	4/16/2015		48.83	NE	0.00031	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	0.165
	P59-ROX-071315	7/13/2015		47.85	NE	0.00058	<0.00011	0.00037	0.000068	0.000035 J	0.000056	0.000037 J	0.000033 J	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	0.00013	<0.00011	<0.0022	<0.0054	0.113
	P59-ROX-101515	10/15/2015		45.75	NE	<0.002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.077
	P59-ROX-011216	1/12/2016		46.10	NE	0.00036 J	0.00019 J	0.00021 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	0.0095 J
	P59-ROX-041816	4/18/2016		44.28	NE	<0.0002 UJ	0.00013 J J	0.00048 J	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	0.012 J J	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.0002 UJ	<0.0002 UJ	<0.01 UJ	<0.01 UJ	0.01 J
	P59-ROX-071316	7/13/2016		44.01	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	0.063
	P59-ROX-101816	10/18/2016		43.39	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098 UJ	<0.0098	<0.0098	0.0025 J	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098 UJ	0.045
	P59-ROX-011617	1/16/2017		42.83	NE	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.03	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.00099	<0.00099	<0.0099	<0.0099	<0.0099
	P59-ROX-040717	4/7/2017	47.91 - 72.91	43.31	NE	0.00017 J	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.029 UJ	<0.0097 UJ	<0.0097 UJ	<0.0097 UJ	0.0063 J H J	<0.0097 UJ	<0.00095	<0.00095	<0.0097 UJ	<0.0097 UJ	0.012 H J

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethylether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
P-66	P66-ROX-070714	7/7/2014	34.72 - 59.72	35.60	NE	0.00033	0.00016	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	P66-ROX-101414	10/14/2014		34.48	NE	0.00045	0.00018	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0055	<0.0022	<0.0055	<0.00011	<0.00011	0.0012 J	<0.0055	<0.011
	P66-ROX-011615	1/16/2015		36.62	NE	0.00067	0.00026	0.000065 J J	0.00003 J J	<0.00011 UJ	<0.000053 UJ	<0.00011	<0.00011 UJ	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	0.000029 J J	<0.00011	<0.0021	<0.0053	<0.011
	P66-ROX-011615-DUP	1/16/2015		36.62	NE	0.00068	0.00027	0.00031 J	0.00043 J	0.0003 J	0.00032 J	0.00015	0.00023 J	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	0.00032 J	0.000062 J	<0.0022	<0.0054	<0.011
	P66-ROX-041415	4/14/2015		38.27	NE	0.0006	0.00022	<0.00011	<0.000054	0.000019 J	0.000055	0.000022 J	0.000021 J	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	0.000024 J	<0.00011	0.0016 J	<0.0054	<0.011
	P66-ROX-041415-DUP	4/14/2015		38.27	NE	0.00066	0.00021	0.000044 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	0.0016 J	<0.0053	<0.011
	P66-ROX-070815	7/8/2015		37.24	NE	0.00054	0.00017	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	0.001 J	<0.0053	<0.011
	P66-ROX-070815-DUP	7/8/2015		37.24	NE	0.00051	0.00021	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	0.000017 J	<0.00011	0.0011 J	<0.0053	<0.011
	P66-ROX-101315	10/13/2015		34.84	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P-66-ROX-010816	1/8/2016		34.64	NE	0.00071	0.00022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	0.0012 J	<0.01	<0.01
	P66-ROX-041516	4/15/2016		34.33	NE	0.00039	<0.0002	<0.0002	<0.0002	0.00004 J	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	0.0014 J	<0.01	<0.01
	P66-ROX-071116	7/11/2016		33.58	NE	0.0006 J	0.00028 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001	<0.001	<0.01	0.0019 J	<0.01
	P66-ROX-101416	10/14/2016		32.61	NE	0.001 *	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	0.019 J H J	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.00095	<0.00095	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ
	P66-ROX-011117	1/11/2017		32.41	NE	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.029	<0.0097	<0.0097	<0.0097	0.0026 J	<0.0097	<0.00097	<0.00097	<0.0097	<0.0097	<0.0097
	P66-ROX-041317	4/13/2017	34.72 - 59.72	32.19	NE	0.00041	0.00014 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098
P-74	P74-ROX-070814	7/8/2014	44.43 - 69.43	43.02	NE	<0.00011	<0.00011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0057	<0.0023	<0.0057	<0.00011	<0.00011	<0.0023	<0.0057	<0.011
	P74-ROX-101414	10/14/2014		41.48	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.005	<0.002	0.00096 J	<0.0001	<0.0001	<0.002	<0.005	<0.01
	P74-ROX-011915	1/19/2015		43.47	NE	0.00018	0.000061 J	0.000046 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	0.02
	P74-ROX-041515	4/15/2015		44.61	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	P74-ROX-071015	7/10/2015		43.28	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	P74-ROX-101415	10/14/2015		41.75	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.021
	P74-ROX-011116	1/11/2016		40.67	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P74-ROX-041516	4/15/2016		40.40	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P74-ROX-071216	7/12/2016		39.56	NE	0.000042 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P74-ROX-101416	10/14/2016		39.44	NE	0.000064 J *	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.00019	<0.00019	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ
	P74-ROX-011217	1/12/2017		38.64	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.011 J *	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P74-ROX-040717	4/7/2017	44.43 - 69.43	38.92	NE	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.031 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.00022	<0.00022	<0.01 UJ	<0.01 UJ	<0.01 UJ

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TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																	
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethylether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																	
P-93A	P93A-ROX-071814	7/18/2014	48.17 - 63.17	45.70	NE	0.00017	<0.00011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0057	<0.0057	0.0041	<0.0057	<0.00011	<0.00011	<0.0023	<0.00037 U	<0.011
	P93A-ROX-071814-DUP	7/18/2014		45.70	NE	0.00016	<0.00011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0057	<0.0057	<0.0023	<0.0057	<0.00011	<0.00011	<0.0023	<0.0057	<0.011
	P93A-ROX-101514	10/15/2014		45.06	NE	0.0002	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0004 U	<0.0052	<0.0001	<0.0001	0.0003 J	<0.0052	<0.01
	P93A-ROX-101514-DUP	10/15/2014		45.06	NE	0.00022 J	<0.00011 UJ	<0.00011 UJ	<0.000054 UJ	<0.00011 UJ	<0.000054 UJ	<0.00011 UJ	<0.00011 UJ	<0.011 UJ	<0.011 UJ	<0.0054 UJ	0.0044 J J	<0.0041 UJ	<0.0054 UJ	<0.00011 UJ	<0.00011 UJ	0.00033 J J	<0.0054 UJ	<0.011 UJ
	P93A-ROX-012715	1/27/2015	43.07 - 53.07	46.05	NE	<0.001	<0.001	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0002	<0.0002	<0.005	<0.005	<0.005
	P93A-ROX-041715	4/17/2015		47.02	NE	0.00011	<0.00011	0.000031 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	0.00046 J	<0.0053	<0.00011	<0.00011	0.00029 J	<0.0053	<0.011
	P93A-ROX-071315	7/13/2015		45.93	NE	0.00011	0.000029 J	0.00003 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	0.00048 J	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	P93A-ROX-101515	10/15/2015		43.69	NE	0.000079 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93A-ROX-101515-DUP	10/15/2015		43.69	NE	0.00008 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P-93A-ROX-011216	1/12/2016		43.73	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P-93A-ROX-011216-DUP	1/12/2016		43.73	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.01 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93A-ROX-041916	4/19/2016		43.08	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93A-ROX-041916-DUP	4/19/2016		43.08	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93A-ROX-071316	7/13/2016		42.20	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93A-ROX-071316-DUP	7/13/2016		42.20	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93A-ROX-101816	10/18/2016		41.35	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01 UJ	<0.01
	P93A-ROX-101816-DUP	10/18/2016		41.35	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01 UJ	<0.01
	P93A-ROX-011217	1/12/2017		41.04	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	0.0028 J	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098
	P93A-ROX-011217-DUP	1/12/2017		41.04	NE	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00021	<0.00021	<0.011	<0.011	<0.011
	P93A-ROX-040717	4/7/2017	43.07 - 53.07	41.26	NE	<0.00019	<0.00019	<0.00019	0.00014 J	0.00012 J	0.00015 J	0.0002	0.00015 J	<0.029 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	0.00013 J	0.00019	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ
	P93A-ROX-040717-DUP	4/7/2017		41.26	NE	<0.00021	<0.00021	<0.00021	0.000044 J	<0.00021	0.000053 J	<0.00021	<0.00021	<0.032 UJ	<0.011 UJ	<0.011 UJ	<0.011 UJ	<0.011 UJ	<0.011 UJ	<0.00021	<0.00021	<0.011 UJ	<0.011 UJ	<0.011 UJ
P-93B	P93B-ROX-071714	7/17/2014	74.60 - 76.60	45.75	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	P93B-ROX-101514	10/15/2014		45.15	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	P93B-ROX-012315	1/23/2015		47.24	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	0.00063 J	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	P93B-ROX-012315-DUP	1/23/2015		47.24	NE	0.000019 J	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	P93B-ROX-021915	2/19/2015		47.24	NE																			
	P93B-ROX-041615	4/16/2015		48.42	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	0.00099 J
	P93B-ROX-041615-DUP	4/16/2015		48.42	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	0.00084 J
	P93B-ROX-070915	7/9/2015		47.74	NE	<0.0001	<0.0001	0.000029 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	0.0153	<0.002	<0.0051	0.000017 J	<0.0001	<0.002	<0.0051	0.0009 J
	P93B-ROX-070915-DUP	7/9/2015		47.74	NE	0.000062 J	0.00004 J	0.000041 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	0.0142	<0.002	<0.0051	0.000016 J	<0.0001	<0.002	<0.0051	0.00082 J
	P93B-ROX-101515	10/15/2015		45.18	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93B-ROX-011316	1/13/2016		44.96	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93B-ROX-041916	4/19/2016		44.54	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93B-ROX-071516	7/15/2016		43.65	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93B-ROX-101816	10/18/2016		42.73	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	0.0024 J	<0.01	<0.0002	<0.0002	<0.01	<0.01 UJ	<0.01
	P93B-ROX-011017	1/10/2017		42.41	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93B-ROX-011017-DUP	1/10/2017		42.41	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098
	P93B-ROX-040617	4/6/2017	74.60 - 76.60	42.59	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	0.0044 J * J	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethylether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
P-93C	P93C-ROX-071714	7/17/2014	94.26 - 96.26	45.61	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	P93C-ROX-101514	10/15/2014		44.99	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	P93C-ROX-011915	1/19/2015	92.47 - 97.47	48.22	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	P93C-ROX-021915	2/19/2015		48.22	NE																			
	P93C-ROX-041615	4/16/2015		48.22	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	P93C-ROX-071315	7/13/2015		47.09	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	P93C-ROX-101415	10/14/2015		44.91	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P-93C-ROX-010816	1/8/2016		44.68	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93C-ROX-041816	4/18/2016		44.06	NE	<0.0002 UJ	<0.0002 UJ	0.000025 J J	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.03 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.0002 UJ	<0.0002 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ
	P93C-ROX-071216	7/12/2016		43.37	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00004 J	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	0.000048 J	<0.01	<0.01	<0.01
	P93C-ROX-101816	10/18/2016		42.49	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095 UJ	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095 UJ	<0.0095
	P93C-ROX-011117	1/11/2017		42.20	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0089 J	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098
	P93C-ROX-040517	4/5/2017	92.47 - 97.47	42.19	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	0.000048 J	<0.0095	<0.0095	<0.0095
P-93D	P93D-ROX-071714	7/17/2014	125.75 - 127.75	45.78	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	P93D-ROX-101514	10/15/2014		45.14	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	P93D-ROX-110414	11/4/2014		45.14	NE																			
	P93D-ROX-012315	1/23/2015		42.28	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	P93D-ROX-021915	2/19/2015		42.28	NE																			
	P93D-ROX-042015	4/20/2015		48.52	NE	<0.0001	<0.0001	0.000017 J	<0.000052	<0.0001	0.000061	0.00002 J	0.000023 J	<0.01	<0.01	<0.0052	<0.0052	<0.00035 U	<0.0052	0.000021 J	<0.0001	<0.0021	<0.0052	<0.01
	P93D-ROX-070915	7/9/2015		47.96	NE	<0.0001	<0.0001	0.000018 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	0.0043 J	<0.002	<0.0051	0.000016 J	<0.0001	<0.002	<0.0051	<0.01
	P93D-ROX-101515	10/15/2015		45.28	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93D-ROX-011316	1/13/2016		45.10	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93D-ROX-041916	4/19/2016		44.61	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93D-ROX-071516	7/15/2016		43.83	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P93D-ROX-101716	10/17/2016		42.78	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095
	P93D-ROX-011017	1/10/2017		42.59	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097
	P93D-ROX-040617	4/6/2017	125.75 - 127.75	42.80	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095
P-114	P114-ROX-071814	7/18/2014	32.67 - 52.67	30.87	NE	0.000082 J	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0051	<0.0051	<0.002	<0.0051	<0.0001	<0.0001	<0.002	<0.0051	<0.01
	P114-ROX-101714	10/17/2014		29.43	NE	0.000078 J	<0.00011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0057	<0.0023	<0.0057	<0.00011	<0.00011	<0.0023	<0.0057	<0.011
	P114-ROX-012115	1/21/2015		31.53	NE	0.00019	<0.00011	0.000096 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	P114-ROX-041715	4/17/2015		NM	NE	0.00021	0.000044 J	0.000054 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	0.00038 J	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	P114-ROX-070815	7/8/2015		29.16	NE	0.0002	<0.0001	0.000035 J	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.005	<0.005	<0.002	<0.005	<0.0001	<0.0001	<0.002	<0.005	<0.01
P-114R	P114R-ROX-100515	10/5/2015	23.01 - 33.01	28.15	NE	<0.0002	<0.0002	<0.0002	<0.0002	0.000071 J	0.00007 J	<0.0002	0.00006 J	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P114R-ROX-010716	1/7/2016			NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P114R-ROX-040816	4/8/2016			NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0088 J	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	P114R-ROX-070816	7/8/2016			NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.15	<0.05	<0.05	<0.05	<0.05	<0.05	<0.0002	<0.0002	<0.05	<0.05	<0.05
	P114R-ROX-100716	10/7/2016		23.89	NE	<0.00019	<0.00019 UJ	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0098 J	<0.0095	<0.0095	<0.0095	0.0025 J	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095
	P114R-ROX-010617	1/6/2017		24.81	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01 UJ	<0.01
	P114R-ROX-041317	4/13/2017	23.01 - 33.01	25.05	NE	<0.0002	<0.0002	0.000062 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	0.0042 J	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethylether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
			Screening Values (mg/L)			0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
ROST-3-MW	ROST3MW-ROX-071414	7/14/2014	37.81 - 47.81	41.88	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	ROST3MW-ROX-100914	10/9/2014		41.31	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	0.00046 J	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	ROST3MW-ROX-011515	1/15/2015		41.83	NE	0.000027 J	<0.00011	0.000019 J J	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0057	<0.0023	<0.0057	<0.00011	<0.00011	<0.0023	<0.0057	<0.011
	ROST3MW-ROX-041315	4/13/2015		43.43	NE	0.000028 J	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	<0.01
	ROST3MW-ROX-071315	7/13/2015		42.36	NE	0.000037 J	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	<0.011
	ROST3MW-ROX-101215	10/12/2015		40.29	NE	0.000081 J	<0.0002	0.00003 J	0.000092 J	0.000089 J	0.00011 J	0.000089 J	0.00012 J	<0.03	<0.01	<0.01	<0.01	0.0039 J	<0.01	0.000095 J	0.000094 J	<0.01	<0.01	<0.01
	ROST3MW-ROX-011416	1/14/2016		40.30	NE	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	ROST3MW-ROX-041216	4/12/2016		39.69	NE	0.00017 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002 UJ	<0.01	<0.01	<0.01
	ROST3MW-ROX-071416	7/14/2016		38.70	NE	0.000079 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	ROST3MW-ROX-101316	10/13/2016		38.19	NE	0.00013 J	0.000023 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029 UJ	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098
	ROST3MW-ROX-011117	1/11/2017		37.50	NE	0.00034	0.00008 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	0.00068 J	<0.0093
	ROST3MW-ROX-041417	4/14/2017	37.81 - 47.81	38.07	NE	0.00027	0.000039 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.0095 UJ	<0.0095
ROST-4-PZ(C)	ROST4C-ROX-071114	7/10/2014	34.95 - 44.95	42.22	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.011	<0.011	<0.0053	<0.0053	0.0007 J	<0.0053	<0.0001	<0.0001	<0.0021	<0.0053	<0.011
	ROST4PZC-ROX-100914	10/9/2014		41.30	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	ROST4PZC-ROX-011515	1/15/2015		41.65	NE	<0.00011	<0.00011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0057	0.0042	<0.0057	<0.00011	<0.00011	<0.0023	<0.0057	<0.011
	ROST4PZC-ROX-041315	4/13/2015		43.00	NE	<0.0001	<0.0001	0.000018 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.0051	<0.002	<0.0051	<0.0001	<0.0001	<0.002	<0.0051	0.0013 J
	ROST4PZ-ROX-071315	7/13/2015		42.59	NE	0.000093 J	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0052	<0.0021	<0.0052	<0.0001	<0.0001	<0.0021	<0.0052	0.0028 J
	ROST4PZC-ROX-101215	10/12/2015		40.35	NE	0.00019 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	ROST4PZC-ROX-011516	1/15/2016		40.54	NE	0.00046 J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<0.002	<0.01	<0.01	0.0046 J
	ROST4PZC-ROX-041316	4/13/2016		39.61	NE	0.00051	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0072 J
	ROST4PZC-ROX-071516	7/15/2016		38.93	NE	0.00025	0.000041 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	0.0027 J	0.00084 J	<0.0002	<0.0002	<0.01	0.0014 J J	0.013
	ROST4PZC-ROX-101316	10/13/2016		38.45	NE	0.00099	0.0001 J	0.000048 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	0.00083 J	0.00074 J	<0.0096
	ROST4PZC-ROX-011217	1/12/2017		37.88	NE	0.0014	0.00019	0.00021	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.00019	<0.00019	0.00077 J	0.00084 J	<0.0094
	ROST4PZC-ROX-041717	4/17/2017	34.95 - 44.95	38.36	NE	0.0012	0.00016 J	0.00017 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	0.00075 J	<0.0097

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]		0.01 [2]	0.006 [2]	1.4 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
T-12	T12-ROX-070814	7/8/2014	46.72 - 72.72	45.13	NE	0.00024	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	<0.011
	T12-ROX-101714	10/17/2014		44.40	NE	0.00036	0.000072 J	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	<0.0022	<0.0056	<0.011
	T12-ROX-011915	1/19/2015	46.83 - 72.83	45.27	NE	0.00039	0.000064 J	0.00013	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0053	<0.0021	<0.0053	<0.00011	<0.00011	<0.0021	<0.0053	0.0069 J
	T12-ROX-041515	4/15/2015		46.73	NE	0.00036	0.000065 J	0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0056	<0.0022	<0.0056	<0.00011	<0.00011	0.00033 J	0.00036 J J	0.0044 J
	T12-ROX-071015	7/10/2015		46.09	NE	0.00034	<0.00011	0.00015	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0054	<0.0022	<0.0054	<0.00011	<0.00011	<0.0022	<0.0054	0.0041 J
	T12-ROX-101515	10/15/2015		43.72	NE	0.00022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.004 J
	T12-ROX-011216	1/12/2016		44.13	NE	0.00042	<0.0004	0.00015 J	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0004	<0.0004	<0.01	<0.01	<0.01
	T12-ROX-041516	4/15/2016		42.07	NE	0.00037	0.000062 J	0.000074 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0037 J
	T12-ROX-071216	7/12/2016		41.50	NE	0.00035	0.000053 J	0.000083 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01
	T12-ROX-101716	10/17/2016		41.19	NE	0.00038	0.000067 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	0.02
	T12-ROX-011217	1/12/2017		40.70	NE	0.00046	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0098	0.0047 J
	T12-ROX-040617	4/6/2017	46.83 - 72.83	41.18	NE	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
					Screening Values (mg/L)	0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-01	MW1-ROX-070914	7/9/2014	48.80 - 58.80	42.09	NE	0.0016 JB	<0.0054	<0.022 UJ	<0.025	<0.00011	<0.00011		<0.00011	0.000085 J	0.00012 JB J	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW1-ROX-100614	10/6/2014		41.1	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	<0.0021	<0.0021	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	<0.0053 UJ	<0.00011	<0.011
	MW1-ROX-011215	1/12/2015		42.73	NE	<0.0053	<0.0053	<0.021	<0.025	0.000017 J	0.000027 J		<0.00011	<0.00003 U	<0.000036 U	<0.011	<0.011	<0.0053	<0.011	<0.011	0.00003 J	<0.0053	<0.00011	<0.011 UJ
	MW1-ROX-040615	4/6/2015		44.11	NE	0.00044 J	<0.0053	<0.021	<0.025 UJ	<0.00011	<0.00011		<0.00011	0.000018 J	0.000035 J	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW1-ROX-070815	7/8/2015		43.35	NE	<0.0053	<0.0053	<0.021	<0.025 UJ	<0.00011	<0.00011		<0.00011	0.000038 J	0.000066 J	<0.011	<0.011	<0.0053	<0.011	<0.011	0.000022 J	<0.0053	<0.00011	<0.011
	MW1-ROX-100615	10/6/2015		40.83	NE	<0.01	0.00056 J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000057 J	0.000096 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW1-ROX-010816	1/8/2016		40.93	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	0.000062 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW1-ROX-041216	4/12/2016		40.35	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00005 J	0.000068 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW1-ROX-071416	7/14/2016		39.43	NE	<0.01	<0.00086 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW1-ROX-101316	10/13/2016		38.79	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000033 J	0.000041 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW-1-ROX-011217	1/12/2017		38.35	NE	<0.0093	0.00048 J B	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW1-ROX-041717	4/17/2017	48.80 - 58.80	38.50	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-02	MW2-ROX-071414	7/14/2014	49.87 - 59.87	43.13	NE	<0.00045 U	<0.0054	<0.022	<0.025	0.00012	0.00014		<0.00011	0.01	0.0215	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.00017 U	<0.0054	0.000096 J	<0.011
	MW2-ROX-101014	10/10/2014		42.49	NE	<0.0051	<0.0051	<0.02	<0.05	<0.0001	<0.0001		<0.0001	0.01	0.0214	<0.01	<0.01	<0.0051	<0.01	<0.01	<0.000051	<0.0051	<0.0001	<0.01
	MW2-ROX-011615	1/16/2015		44.1	NE	<0.00034 U	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	0.0108	0.0236	<0.011	<0.011	<0.0053	<0.011	<0.011	0.000025 J	<0.0053	<0.00011	<0.011
	MW2-ROX-041315	4/13/2015		45.56	NE	<0.00045 U	<0.0054	<0.022	<0.025	<0.00011	<0.00011		<0.00011	0.0124	0.0253	<0.011	0.00066 J	<0.0054	<0.011	<0.011	0.000023 J	<0.0054	<0.00011	<0.011
	MW2-ROX-071315	7/13/2015		44.53	NE	<0.0054	<0.0054	<0.022	<0.025	<0.00011	0.000036 J		<0.00011	0.0129	0.0283	<0.011	<0.011	<0.0054	<0.011	<0.011	0.000027 JB J	<0.0054	<0.00011	<0.011
	MW2-ROX-101215	10/12/2015		42.15	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.01	0.017	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW2-ROX-011416	1/14/2016		42.04	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.011	0.013	<0.01	0.001 J	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW2-ROX-041316	4/13/2016		41.59	NE	<0.01	<0.01	0.0082 J	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.0093	0.0065	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW2-ROX-071416	7/14/2016		40.79	NE	<0.01	<0.00089 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.0068	0.014	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW2-ROX101316	10/13/2016		40.10	NE	<0.0097	<0.0097	<0.029	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	0.0088	0.0095	<0.0097	<0.019	<0.0097	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	MW2-ROX-011217	1/12/2017		39.58	NE	<0.0093	0.00091 J B	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	0.013	0.0074	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW2-ROX-041717	4/17/2017	49.87 - 59.87	39.68	NE	<0.01	<0.01	<0.031	<0.01	<0.00021	<0.00021	<0.01	<0.00021	0.012	0.02	<0.01	<0.021	<0.01	<0.01	0.0019 J	<0.00021	<0.01	<0.00021	<0.01
MW-03	MW3-ROX-071114	7/10/2014	34.67 - 44.67	29.05	NE	<0.00028 U	<0.0054	<0.022	<0.025	<0.0001	<0.0001		<0.0001	0.000067 J	<0.0002	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.00003 U	<0.0054	<0.0001	<0.011 UJ
	MW3-ROX-100914	10/9/2014		28.18	NE	<0.00023 U	<0.0056	<0.022	<0.025	<0.00011	<0.00011		<0.00011	<0.0022	<0.0022	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW3-ROX-011515	1/15/2015		29.65	NE	0.00028 J J	<0.0056	<0.022	<0.025 UJ	<0.00011	<0.00011		<0.00011	0.00033 J	0.0003 J	<0.011	<0.011	<0.0056	<0.011	<0.011	0.000018 J J	<0.0056	<0.00011	<0.011
	MW3-ROX-041015	4/10/2015		31.16	NE	0.00054 J	<0.0053	<0.021	<0.025	0.000024 J J	<0.0001		<0.0001	0.00013 J	0.000097 J	<0.011	<0.011	<0.0053	<0.011	<0.011	0.000026 JB J	<0.0053	0.000018 J	<0.01
	MW3-ROX-071015	7/10/2015		30.01	NE	<0.0056	<0.0056	<0.022	<0.025	<0.00011	<0.00011		<0.00011	0.00028 JB	0.00026 JB	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW3-ROX-100915	10/9/2015		27.98	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00035	0.00029	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW3-ROX-010716	1/7/2016		27.92	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00053	0.00045	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW3-ROX-040616	4/6/2016		27.07	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00082	0.00068	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW3-ROX-070816	7/8/2016		26.51	NE	<0.01	<0.0013 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00044	0.00029	<0.01	<0.02	<0.01	<0.01	0.0018 J H	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW3-ROX100716	10/7/2016		25.79	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00041	0.00022	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW3-ROX-010617	1/6/2017		25.65	NE	<0.0093	0.00058 J	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	0.0016	0.00081	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW3-ROX-041117	4/11/2017	34.67 - 44.67	25.71	NE	<0.0097	<0.0097	<0.029	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	0.00097	0.00057	<0.0097	<0.019	<0.0097	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
			Screening Values (mg/L)			0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-04	MW4-ROX-071614	7/16/2014	46.06 - 56.06	40.18	NE	<0.00043 U	<0.0052	<0.021	<0.025	<0.0001	<0.0001		<0.0001	0.00024	0.00022	<0.01	<0.01	<0.0052	<0.01	<0.01	<0.000041 U	<0.0052	<0.0001	<0.01
	MW4-ROX-101614	10/16/2014		39.49	NE	<0.0059	<0.0059	<0.024	<0.13	<0.00012	<0.00012		<0.00012	<0.0024	<0.0024	<0.012	<0.012	<0.0059	<0.012	<0.012	0.000029 J	0.0115	<0.00012	<0.012 UJ
	MW4-ROX-012115	1/21/2015		41.27	NE	0.0011 J	<0.0053	<0.021	<0.025	<0.000018 U	<0.00011		<0.00011	0.00012 JB	<0.00011 U	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000019 U	<0.0053	<0.000022 U	<0.011 UJ
	MW4-ROX-042115	4/21/2015	45.06 - 55.06	42.58	NE	<0.0052	<0.0052	<0.021	<0.025 UJ	0.000018 J	<0.0001		<0.0001	0.00024 J	0.00021 J	<0.01	<0.01	<0.0052	<0.01	<0.01	0.00002 J	<0.0052	0.000018 J	<0.01
	MW4-ROX-071415	7/14/2015		41.30	NE	<0.0056	<0.0056	<0.022	<0.025	<0.00011	0.000018 J		<0.00011	0.00032 J	0.00035 JB J	<0.011	<0.011	<0.0056	<0.011	<0.011	0.000018 JB	<0.0056	<0.00011	<0.011
	MW4-ROX-101915	10/19/2015		39.44	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00017 J	0.00013 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW4-ROX-011316	1/13/2016		39.10	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00028	0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW4-ROX-041916	4/19/2016		38.50	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00015 J	0.000089 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW4-ROX-071416	7/14/2016		37.85	NE	<0.01	<0.00072 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00015 J	0.000069 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW4-ROX-100616	10/6/2016		37.18	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00016 J	0.000069 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW4-ROX-010917	1/9/2017		36.84	NE	<0.0097	<0.00064 U	<0.029	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	0.000066 J	<0.00019	<0.0097	<0.019	<0.0097	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	MW4-ROX-041017	4/10/2017	45.06 - 55.06	36.93	NE	<0.01	<0.01	<0.031	0.0014 J	0.000036 J	<0.0002	<0.01	0.000041 J	0.000088 J	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	0.000038 J	<0.01 UJ
MW-05	MW5-ROX-071414	7/14/2014	33.97 - 43.97	28.59	NE	<0.00037 U	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	0.00052 B	<0.00021	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000088 U	<0.0053	<0.00011	<0.011
	MW-5-ROX-100914	10/9/2014		27.75	NE	<0.00023 U	<0.0054	<0.022	<0.025	<0.00011	<0.00011		<0.00011	0.00099 J	<0.0022	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.00003 U	0.00072 J	<0.00011	<0.011
	MW5-ROX-011515	1/15/2015		29.34	NE	<0.0053	<0.0053	<0.021	<0.025 UJ	0.000037 J J	<0.00011		0.000023 J J	0.00071 J	<0.0021	<0.011	<0.011	<0.0053	<0.011	<0.011	0.000039 J J	<0.0053	0.000038 J J	<0.011
	MW5-ROX-041315	4/13/2015		30.97	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	0.000099 JB J	0.000031 JB J	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW5-ROX-071315	7/13/2015		29.45	NE	<0.0054	<0.0054	<0.022	<0.025	<0.00011	0.000026 J		<0.00011	0.000087 JB J	0.00018 JB J	<0.011	<0.011	<0.0054	<0.011	<0.011	0.000024 JB J	<0.0054	<0.00011	<0.011
	MW5-ROX-101215	10/12/2015		27.53	NE	<0.01	<0.01	<0.03	<0.01	0.000055 J	<0.0002	<0.01	0.000086 J	0.00016 J	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW5-ROX-011416	1/14/2016		27.19	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW5-ROX-040616	4/6/2016		26.80	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00034	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW5-ROX-070816	7/8/2016		26.28	NE	<0.01	<0.001 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW5-ROX-101016	10/10/2016		25.47	NE	<0.0098	<0.0098	<0.029 UJ	0.0015 J	<0.0002	<0.0002	<0.0098	<0.0002	0.00012 J	0.000041 J	<0.0098 UJ	<0.02 UJ	<0.0098	<0.0098 UJ	<0.02 UJ	<0.0002	<0.0098 UJ	<0.0002	<0.0098
	MW5-ROX-010617	1/6/2017		25.33	NE	<0.0093	0.00067 J	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	0.00063	<0.00019	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW5-ROX-041217	4/12/2017	33.97 - 43.97	25.32	NE	<0.0096	<0.0096	<0.029	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
MW-06A	MW6A-ROX-071014	7/10/2014	34.83 - 44.83	30.75	NE	<0.00026 U	<0.0054	<0.022 UJ	<0.025 UJ	<0.00011	0.00013		<0.00011	<0.00022	<0.00022	<0.011	<0.011	<0.0054	<0.011	<0.011	0.000046 J	<0.0054	<0.00011	<0.011
	MW6A-ROX-100814	10/8/2014		29.84	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	<0.0021	<0.0021	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	<0.0053	<0.00011	<0.011 UJ
	MW6A-ROX-011415	1/14/2015		31.54	NE	<0.0053	<0.0053	<0.021	<0.025 UJ	0.000037 J J	0.000076 J		<0.00011	<0.0021	<0.0021	<0.011	<0.011	<0.0053	<0.011	<0.011	0.000046 J	<0.0053	0.000027 J	<0.011
	MW6A-ROX-040715	4/7/2015		33.08	NE	<0.0051	<0.0051	<0.02	<0.025 UJ	<0.0001	<0.0001		<0.0001	0.000019 J	0.000023 J	<0.01	<0.01	<0.0051	<0.01	<0.01	<0.000051	<0.0051	<0.0001	<0.01
	MW6A-ROX-071515	7/15/2015		31.52	NE	<0.0057	<0.0057	<0.023	<0.025	<0.00011	0.000058 J		<0.00011	0.000056 J	0.000076 JB J	<0.011	<0.011	<0.0057	<0.011	<0.011	0.000026 J	<0.0057	<0.00011	<0.011
	MW6A-ROX-100715	10/7/2015		29.77	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6A-ROX-011116	1/11/2016		29.36	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6A-ROX-040716	4/7/2016		29.07	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000036 J	0.000047 J	<0.01	<0.02	<0.01	<0.01	<0.02	0.00005 J	<0.01	<0.0002	<0.01
	MW6A-ROX-071116	7/11/2016		28.45	NE	<0.01	0.00086 J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW6A-ROX-101116	10/11/2016		27.51	NE	<0.01	<0.01	<0.03	<0.01 UJ	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01 UJ	<0.02 UJ	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6A-ROX-011017	1/10/2017		27.43	NE	<0.0093	<0.00066 U	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW6A-ROX-041217	4/12/2017	34.83 - 44.83	27.38	NE	<0.0096	<0.0096	<0.029	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
					Screening Values (mg/L)	0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-06B	MW6B-ROX-071014	7/10/2014	64.05 - 69.05	30.81	NE	<0.0056	<0.0056	<0.022 UJ	<0.025 UJ	<0.00011	<0.00011		<0.00011	<0.00022	<0.00022	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW6B-ROX-100814	10/8/2014		29.87	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	<0.0021	<0.0021	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	<0.0053	<0.00011	<0.011 UJ
	MW6B-ROX-011415	1/14/2015		31.59	NE	<0.0054	<0.0054	<0.022	<0.025 UJ	<0.00011	<0.00011		<0.00011	<0.0022	0.000017 J	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW6B-ROX-040715	4/7/2015		33.10	NE	0.00029 J	<0.0051	<0.02	<0.025 UJ	<0.0001	<0.0001		<0.0001	<0.002	<0.002	<0.01	<0.01	<0.0051	<0.01	<0.01	<0.000051	<0.0051	<0.0001	<0.01
	MW6B-ROX-040715-DUP	4/7/2015		33.10	NE	<0.0052	<0.0052	<0.021	<0.025 UJ	<0.0001	<0.0001		<0.0001	<0.0021	<0.0021	<0.01	<0.01	<0.0052	<0.01	<0.01	<0.000052	<0.0052	<0.0001	<0.01
	MW6B-ROX-071415	7/14/2015		31.56	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	0.00013		<0.00011	0.0036	0.0068	<0.011	<0.011	<0.0053	<0.011	<0.011	0.000045 JB J	<0.0053	<0.00011	<0.011
	MW6B-ROX-100715	10/7/2015		29.80	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000059 J	0.000088 J J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6B-ROX-011116	1/11/2016		29.41	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000029 J	0.000067 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6B-ROX-040716	4/7/2016		29.11	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000045 J	0.000088 J	<0.01	<0.02	<0.01	<0.01	<0.02	0.000079 J	<0.01	<0.0002	<0.01
	MW6B-ROX-071116	7/11/2016		28.49	NE	<0.01	0.00055 J	<0.03	<0.01	<0.0002	<0.0002	<0.01	0.00011 J	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW6B-ROX-101116	10/11/2016		27.56	NE	<0.01	<0.01	<0.03	<0.01 UJ	<0.0002	<0.0002	<0.01	<0.0002	0.000038 J	0.00006 J	<0.01 UJ	<0.02 UJ	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6B-ROX-011017	1/10/2017		27.49	NE	<0.0093	<0.00051 U	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW6B-ROX-041217	4/12/2017	64.05 - 69.05	27.44	NE	<0.0095	<0.0095	<0.029	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
MW-06C	MW6C-ROX-071014	7/10/2014	84.95 - 89.95	30.60	NE	<0.00032 U	<0.0056	<0.022 UJ	<0.025 UJ	<0.00011	<0.00011		0.000035 J	<0.00022	<0.00022	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW6C-ROX-100814	10/8/2014		29.67	NE	<0.0056	<0.0056	<0.022	<0.025	<0.00011	<0.00011		<0.00011	<0.0022	<0.0022	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	<0.0056	<0.00011	<0.011 UJ
	MW6C-ROX-011415	1/14/2015		31.41	NE	<0.0056	<0.0056	<0.022	<0.025 UJ	0.000022 J J	<0.00011		<0.00011	<0.0022	0.000028 J	<0.011	<0.011	<0.0056	<0.011	<0.011	0.000025 J	<0.0056	0.000021 J	<0.011
	MW6C-ROX-040915	4/9/2015		32.80	NE	<0.0054	<0.0054	<0.022	<0.025	<0.00011	<0.00011		<0.00011	<0.0022	0.000025 JB J	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW6C-ROX-071415	7/14/2015		31.38	NE	<0.0054	<0.0054	<0.022	<0.025	<0.00011	<0.00011		<0.00011	0.000064 JB J	0.00014 JB J	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW6C-ROX-100715	10/7/2015		29.60	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000056 J	0.000083 J J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6C-ROX-010816	1/8/2016		29.31	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6C-ROX-040716	4/7/2016		28.91	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000055 J	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6C-ROX-071116	7/11/2016		28.30	NE	<0.01	0.00059 J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000043 J	0.000047 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW6C-ROX-101016	10/10/2016		27.37	NE	<0.0095	<0.0095 UJ	<0.029	<0.0095 UJ	<0.00019	<0.00019	<0.0095	<0.00019	0.000049 J	0.000077 J	<0.0095	<0.019 UJ	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW6C-ROX-011017	1/10/2017		27.26	NE	<0.0093	<0.00049 U	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW6C-ROX-041217	4/12/2017	84.95 - 89.95	27.24	NE	<0.0095	<0.0095	<0.029	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
MW-06D	MW6D-ROX-071014	7/10/2014	104.72 - 109.72	31.47	NE	<0.00027 U	<0.0056	<0.022 UJ	<0.025 UJ	<0.00011	<0.00011		<0.00011	<0.00022	<0.00022	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW6D-ROX-071014-DUP	7/10/2014		31.47	NE	<0.00029 U	<0.0054	<0.022 UJ	<0.025 UJ	<0.00011	<0.00011		<0.00011	<0.00022	<0.00022	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW6D-ROX-100814	10/8/2014		29.53	NE	<0.0054	<0.0054	<0.022	<0.025	<0.00011	<0.00011		<0.00011	<0.0022	<0.0022	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000054	<0.0054	<0.00011	<0.011 UJ
	MW6D-ROX-100814-DUP	10/8/2014		29.53	NE	<0.0056	<0.0056	<0.022	<0.025	<0.00011	<0.00011		<0.00011	<0.0022	<0.0022	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	<0.0056	<0.00011	<0.011 UJ
	MW6D-ROX-011415	1/14/2015		31.26	NE	<0.0054	<0.0054	<0.022	<0.025 UJ	0.000031 J J	0.000018 J		<0.00011	0.000015 J	0.000033 J	<0.011	<0.011	<0.0054	<0.011	<0.011	0.000033 J	<0.0054	0.000027 J	<0.011
	MW6D-ROX-011415-DUP	1/14/2015		31.26	NE	0.00027 J J	<0.0056	<0.022	<0.025 UJ	<0.00011	<0.00011		<0.00011	<0.0022	<0.0022	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW6D-ROX-040715	4/7/2015		32.74	NE	<0.0053	<0.0053	<0.021	<0.025 UJ	<0.00011	<0.00011		<0.00011	<0.0021	0.000026 J	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW6D-ROX-071415	7/14/2015		31.19	NE	<0.0056	<0.0056	<0.022	<0.025	<0.00011	<0.00011		<0.00011	0.00011 JB J	0.00023 JB J	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW6D-ROX-100715	10/7/2015		29.45	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000081 J	0.00012 J J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6D-ROX-010816	1/8/2016		29.59	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6D-ROX-010816-DUP	1/8/2016		29.59	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6D-ROX-040716	4/7/2016		28.76	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00005 J	<0.01	<0.0002	0.000051 J	0.0001 J	<0.01	<0.02	<0.01	<0.01	<0.02	0.0001 J	<0.01	<0.0002	<0.01
	MW6D-ROX-040716-DUP	4/7/2016		28.76	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000034 J	0.000064 J	<0.01	<0.02	<0.01	<0.01	<0.02	0.000045 J	<0.01	<0.0002	<0.01
	MW6D-ROX-071116	7/11/2016		28.16	NE	<0.01	0.00079 J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000045 J	0.000051 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW6D-ROX-071116-DUP	7/11/2016		28.16	NE	<0.01	0.00082 J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW6D-ROX-101016	10/10/2016		27.26	NE	<0.01	<0.01	<0.029 UJ	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000032 J	0.000058 J	<0.0098 UJ	<0.02 UJ	<0.01	<0.0098 UJ	<0.02 UJ	<0.0002	<0.0098 UJ	<0.0002	<0.01
	MW6D-ROX-101016-DUP	10/10/2016		27.26	NE	<0.01	<0.01	<0.029 UJ	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000038 J	0.000064 J	<0.0098 UJ	<0.02 UJ	<0.01	<0.0098 UJ	<0.02 UJ	<0.0002	<0.0098 UJ	<0.0002	<0.01
	MW6D-ROX-011017	1/10/2017		27.14	NE	<0.0093	<0.0093	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW6D-ROX-011017-DUP	1/10/2017		27.14	NE	<0.0093	<0.00075 U	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	0.00009 J	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW6D-ROX-041217	4/12/2017	104.72 - 109.72	27.10	NE	<0.0096	<0.0096	<0.029	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW6D-ROX-041217-DUP	4/12/2017		27.10	NE	<0.0095	<0.0095	<0.029	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
					Screening Values (mg/L)	0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-07	MW7-ROX-071614	7/16/2014	42.92 - 52.92	42.05	NE	<0.00027 U	<0.0052	<0.021	<0.025	<0.0001	0.00021		<0.0001	0.0052	0.0079	<0.01	<0.01	<0.0052	<0.01	<0.01	0.00028	0.0618	<0.0001	<0.01
	MW7-ROX-071614-DUP	7/16/2014		42.05	NE	<0.00038 U	<0.0052	<0.021	<0.025	<0.0001	0.00019		<0.0001	0.0052	0.0077	<0.01	<0.01	<0.0052	<0.01	<0.01	0.00026	0.0638	<0.0001	<0.01
	MW7-ROX-101614	10/16/2014		41.31	NE	<0.0056	<0.0056	<0.022	<130	<0.00011	0.0002		<0.00011	0.0049	0.0074	<0.011	<0.011	<0.0056	<0.011	<0.011	0.00028	0.155	<0.00011	<0.011 UJ
	MW7-ROX-101614-DUP	10/16/2014		41.31	NE	<0.0057	<0.0057	<0.023	<130	<0.00011	0.00019		<0.00011	0.0047	0.007	<0.011	<0.011	<0.0057	<0.011	<0.011	0.00027	0.133	<0.00011	<0.011 UJ
	MW7-ROX-012215	1/22/2015		43.45	NE	0.00035 J	<0.0053	<0.021	<25	<0.000063 U	0.00024		0.00003 J	0.0053	0.0068	<0.011	0.00059 J	<0.0053	<0.011	<0.011	0.00049	0.145	<0.000099 U	<0.011
	MW7-ROX-012215-DUP	1/22/2015		43.45	NE	0.00027 J	<0.0052	<0.021	<25	<0.000021 U	0.00022		<0.0001	0.0052	0.0066	<0.01	0.00056 J	<0.0052	<0.01	<0.01	0.00045	0.136	<0.000058 U	<0.01
	MW7-ROX-042115	4/21/2015		44.63	NE	<0.0051	<0.0051	<0.02	<1.3 UJ	<0.0001	0.00033		<0.0001	0.008	0.01	0.00037 J	0.0011 J	<0.0051	<0.01	<0.01	0.00066	0.0707	0.000057 J	<0.01
	MW7-ROX-042115-DUP	4/21/2015		44.63	NE	<0.0051	<0.0051	<0.02	<1.3 UJ	0.000026 J	0.0003		<0.0001	0.0074	0.0093	0.00032 J	0.0011 J	<0.0051	<0.01	<0.01	0.00063	0.0766	0.000066 J	<0.01
	MW7-ROX-071515	7/15/2015		43.54	NE	0.00063 J	<0.0051	<0.02	<130	0.000019 J	0.00021		<0.0001	0.0047	0.0065	<0.01	0.0031 J	<0.0051	<0.01	<0.01	0.00031	0.104	0.000052 J	<0.01
	MW7-ROX-071515-DUP	7/15/2015		43.54	NE	0.00057 J	<0.0052	<0.021	<130	0.000023 J	0.00018		<0.0001	0.0055	0.0082	<0.01	0.0032 J	<0.0052	<0.01	<0.01	0.00034	0.117	0.000053 J	<0.01
	MW7-ROX-101915	10/19/2015		41.43	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	0.0018 J	<0.0002	0.0029	0.0041	<0.01	0.0018 J	<0.01	<0.01	<0.02	0.00014 J	0.13	<0.0002	<0.01
	MW7-ROX-101915-DUP	10/19/2015		41.43	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00011 J	0.0018 J	<0.0002	0.0026	0.0037	<0.01	0.0018 J	<0.01	<0.01	<0.02	0.00019 J	0.12	<0.0002	<0.01
	MW7-ROX-011416	1/14/2016		41.02	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	0.0018 J	<0.0002	0.004	0.0053	<0.01	0.0017 J	<0.01	<0.01	<0.02	0.00041	0.18	<0.0002	<0.01
	MW7-ROX-011416-DUP	1/14/2016		41.02	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	0.0019 J	<0.0002	0.0048	0.0061	<0.01	0.002 J	<0.01	<0.01	<0.02	0.00056	0.32	<0.0002	<0.01
	MW7-ROX-041916	4/19/2016		40.68	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	0.0023 J	<0.0002	0.0034	0.0051	<0.01	0.0034 J	<0.01	<0.01	<0.02	0.00021	0.25	<0.0002	<0.01
	MW7-ROX-041916-DUP	4/19/2016		40.68	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	0.0022 J	<0.0002	0.004	0.0059	<0.01	0.0026 J	<0.01	<0.01	<0.02	0.00025	0.18	<0.0002	<0.01
	MW7-ROX-071416	7/14/2016		39.99	NE	<0.01	<0.00075 U	<0.03	<0.01	<0.0002	0.00026	<0.01	<0.0002	0.004 J	0.005 J	<0.01	<0.02	<0.01	<0.01	<0.02	0.00041	0.16	<0.0002	<0.01
	MW7-ROX-071416-DUP	7/14/2016		39.99	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00018 J	0.0014 J	<0.0002	0.0028 J	0.0034 J	<0.01	0.0026 J	<0.01	<0.01	<0.02	0.00031	0.19	<0.0002	<0.01
	MW7-ROX-100616	10/6/2016		39.24	NE	<0.01	<0.01 UJ	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.0031	0.0043	0.004 J	0.0049 J	<0.01	<0.01	<0.02	<0.0002	0.46	<0.0002	<0.01
	MW7-ROX-100616-DUP	10/6/2016		39.24	NE	<0.01	0.00046 J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.0029	0.0039	0.0044 J	<0.02	<0.01	<0.01	<0.02	<0.0002	0.43	<0.0002	<0.01
	MW7-ROX-010917	1/9/2017		38.90	NE	<0.01	<0.00049 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.002	0.003	0.0039 J	0.0044 J	<0.01	<0.01	<0.02	0.00014 J	0.17	<0.0002	<0.01
	MW7-ROX-041017	4/10/2017	42.92 - 52.92	38.88	NE	<0.0097	<0.0097 UJ	<0.029	<0.0097	<0.00019	<0.00019	0.0024 J	0.00004 J	0.0019	0.0027	0.0043 J	0.0056 J	<0.0097	<0.0097	<0.019	<0.00019	0.27	<0.00019	<0.0097 UJ
	MW7-ROX-041017-DUP	4/10/2017		38.88	NE	<0.0097	<0.0097 UJ	<0.029	<0.0097	<0.00019	<0.00019	0.0022 J	0.000039 J	0.0019	0.0027	0.0045 J	0.0059 J	<0.0097	<0.0097	<0.019	<0.00019	0.31	<0.00019	<0.0097 UJ
MW-08	MW8-ROX-071614	7/16/2014	33.60 - 43.60	33.01	NE	<0.00045 U	<0.0052	<0.021	<0.025 UJ	<0.0001	0.00038		<0.0001	0.0125	0.0048	0.0037 J	0.0045 J	<0.0052	<0.01	<0.01	0.0002 B	0.111	<0.0001	<0.01
	MW8-ROX-101614	10/16/2014		32.23	NE	<0.0056	<0.0056	<0.022	<25	<0.00011	0.00054		<0.00011	0.0145	0.0045	0.019	0.0558	<0.0056	<0.011	<0.011	0.00023	0.126	<0.00011	<0.011 UJ
	MW8-ROX-012215	1/22/2015		34.22	NE	0.00027 J	<0.0052	<0.021	<25	<0.0001	0.00037		<0.0001	0.011	0.0046	0.0102	0.0242	<0.0052	<0.01	<0.01	0.00016 B	0.146	<0.0001	<0.01
	MW8-ROX-042115	4/21/2015		35.41	NE	<0.0053	<0.0053	<0.021	<1.3 UJ	<0.00011	0.00041		<0.00011	0.0126	0.0053	0.0049 J	0.0063 J	<0.0053	<0.011	<0.011	0.00014	0.129	<0.00011	<0.011
	MW8-ROX-071515	7/15/2015		34.07	NE	<0.0053	<0.0053	<0.021	<130	<0.00011	0.0003		<0.00011	0.0113	0.0083	0.0018 J	0.0046 J	<0.0053	<0.011	<0.011	0.00016	0.135	<0.00011	<0.011
	MW8-ROX-101915	10/19/2015		32.30	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00018 J	0.0015 J	<0.0002	0.0087	0.0052	0.0024 J	0.0054 J	<0.01	<0.01	<0.02	<0.0002	0.21	<0.0002	<0.01
	MW8-ROX-011416	1/14/2016		31.79	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	0.0023 J	<0.0002	0.015	0.007	0.0077 J	0.016 J	<0.01	<0.01	<0.02	<0.0002	0.22	<0.0002	<0.01
	MW8-ROX-041916	4/19/2016		31.45	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00035	0.0019 J	<0.0002	0.014	0.0063	0.0028 J	0.0036 J	<0.01	<0.01	<0.02	0.00013 J	0.27	<0.0002	<0.01
	MW8-ROX-071416	7/14/2016		30.80	NE	<0.01	<0.00071 U	<0.03	<0.01	<0.0002	0.00024	0.0014 J	<0.0002	0.0082	0.0038	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.13	<0.0002	<0.01
	MW8-ROX-100616	10/6/2016		29.99	NE	<0.01	<0.01 UJ	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.0098	0.0028	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.29	<0.0002	<0.01
	MW8-ROX-010917	1/9/2017		29.79	NE	0.0083 J	<0.00061 U	<0.029	<0.0098	<0.0002	<0.0002	0.0039 J	<0.0002	0.015	0.0038	<0.0098	<0.02	<0.0098	<0.0098	0.0018 J	<0.0002	0.22	<0.0002	<0.0098
	MW8-ROX-041017	4/10/2017	33.60 - 43.60	29.80	NE	<0.01	<0.01 UJ	<0.03	<0.01	<0.0002	<0.0002	0.0017 J	<0.0002	0.0087	0.0036	<0.01	0.0014 J	<0.01	<0.01	0.0021 J	<0.0002	0.22	<0.0002	<0.01 UJ

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
					Screening Values (mg/L)	0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-09	MW9-ROX-070914	7/9/2014	46.45 - 56.45	44.35	NE	<0.0006 U	<0.0054	<0.022 UJ	<0.025	<0.00011	<0.00011		<0.00011	<0.00022	<0.00022	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW9-ROX-100714	10/7/2014		43.52	NE	<0.0059	<0.0059	<0.024	<0.025	<0.00012	<0.00012		<0.00012	<0.0024	<0.0024	<0.012	<0.012	<0.0059	<0.012	<0.012	<0.000059	<0.0059	<0.00012	<0.012
	MW9-ROX-011315	1/13/2015		44.21	NE	0.00023 J	<0.0052	<0.021	<0.025	<0.0001	<0.0001		<0.0001	<0.0021	<0.0021	<0.01	<0.01	<0.0052	<0.01	<0.01	0.000016 JB	<0.0052	<0.0001	<0.01 UJ
	MW9-ROX-040915	4/9/2015		45.38	NE	<0.0052	<0.0052	<0.021	<0.025	<0.0001	0.000027 J		<0.0001	<0.0021	0.000018 JB J	<0.01	<0.01	<0.0052	<0.01	<0.01	0.000026 J	<0.0052	<0.0001	<0.01
	MW9-ROX-070915	7/9/2015		44.81	NE	0.00042 J	<0.0055	<0.022	<0.025 UJ	<0.00011	<0.00011		<0.00011	0.000073 J	0.00013 J	<0.011	<0.011	<0.0055	<0.011	<0.011	0.000044 J	<0.0055	<0.00011	<0.011
	MW9-ROX-100815	10/8/2015		42.64	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000034 J	0.000053 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW9-ROX-011316	1/13/2016		42.63	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW9-ROX-041216	4/12/2016		41.98	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	0.000025 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW9-ROX-071316	7/13/2016		40.93	NE	<0.01	<0.00066 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000027 J	0.000027 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW9-ROX-101316	10/13/2016		40.39	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	0.000026 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW9-ROX-011117	1/11/2017		40.06	NE	<0.0093	<0.0093	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW9-ROX-041417	4/14/2017	46.45 - 56.45	40.56	NE	<0.0096	<0.0096	<0.029	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
MW-10	MW10-ROX-070914	7/9/2014	44.43 - 54.43	44.35	NE	<0.00065 U	<0.0054	<0.022 UJ	<0.025	<0.00011	<0.00011		<0.00011	<0.00022	<0.00022	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW10-ROX-100714	10/7/2014		43.58	NE	<0.0057	<0.0057	<0.023	<0.025	<0.00011	<0.00011		<0.00011	<0.0023	<0.0023	<0.011	<0.011	<0.0057	<0.011	<0.011	<0.000057	<0.0057	<0.00011	<0.011
	MW10-ROX-011315	1/13/2015		44.27	NE	<0.0056	<0.0056	<0.022	<0.025	<0.00011	<0.00011		<0.00011	<0.0022	<0.000018 U	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	<0.0056	<0.00011	<0.011 UJ
	MW10-ROX-040815	4/8/2015		45.30	NE	<0.0051	<0.0051	<0.02	<0.025	0.000016 J	<0.0001		<0.0001	<0.002	0.00002 JB	<0.01	<0.01	<0.0051	<0.01	<0.01	0.000019 J	<0.0051	<0.0001	<0.01
	MW10-ROX-070915	7/9/2015		44.93	NE	0.00064 J	<0.0054	<0.022	<0.025 UJ	0.000057 J	0.000037 J		0.000024 J	0.000035 J	0.000058 J	<0.011	<0.011	<0.0054	<0.011	<0.011	0.000077	<0.0054	0.000059 J	<0.011
	MW10-ROX-100915	10/9/2015		42.79	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000039 J	0.000063 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW10-ROX-011316	1/13/2016		42.53	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW10-ROX-041116	4/11/2016		41.88	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	0.000034 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW10-ROX-071316	7/13/2016		41.00	NE	<0.01	<0.00056 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00003 J	0.000033 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW10-ROX-101216	10/12/2016		40.27	NE	<0.011	<0.011	<0.032	<0.011	<0.00021	<0.00021	<0.011	<0.00021	<0.00021	<0.00021	<0.011	<0.021	<0.011	<0.011	<0.021	<0.00021	<0.011	<0.00021	<0.011
	MW10-ROX-011117	1/11/2017		39.88	NE	<0.0093	<0.0093	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW10-ROX-041417	4/14/2017	44.43 - 54.43	40.43	NE	<0.0095	<0.0095	<0.029	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
MW-11	MW11-ROX-070914	7/9/2014	41.66 - 51.66	41.75	NE	<0.00042 U	<0.0057	<0.023 UJ	<0.025	<0.00011	<0.00011		<0.00011	<0.00023	<0.00023	<0.011	<0.011	<0.0057	<0.011	<0.011	0.00003 J	<0.0057	<0.00011	<0.011
	MW11-ROX-100714	10/7/2014		40.89	NE	<0.0052	<0.0052	<0.021	<0.025	<0.0001	<0.0001		<0.0001	<0.0021	<0.0021	<0.01	<0.01	<0.0052	<0.01	<0.01	<0.000052	<0.0052	<0.0001	<0.01
	MW11-ROX-011315	1/13/2015		41.93	NE	<0.0054	<0.0054	<0.022	<0.025	<0.00011	<0.00011		<0.00011	<0.0022	<0.00002 U	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000054	<0.0054	<0.00011	<0.011 UJ
	MW11-ROX-040815	4/8/2015		43.19	NE	<0.0054	<0.0054	<0.022	<0.025	<0.00011	<0.00011		<0.00011	<0.0022	0.000022 JB	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW11-ROX-070915	7/9/2015		42.45	NE	<0.0054	<0.0054	<0.022	<0.025 UJ	<0.00011	<0.00011		<0.00011	0.000029 J	0.000045 J	<0.011	<0.011	<0.0054	<0.011	<0.011	0.000029 J	<0.0054	<0.00011	<0.011
	MW11-ROX-100815	10/8/2015		40.15	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000029 J	0.000034 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW11-ROX-011216	1/12/2016		40.33	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW11-ROX-041116	4/11/2016		39.49	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW11-ROX-071316	7/13/2016		38.59	NE	<0.01	<0.00065 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW11-ROX-101216	10/12/2016		37.93	NE	<0.0098	<0.0098	<0.029	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW11-ROX-011117	1/11/2017		37.63	NE	<0.0093	<0.00097 U	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW11-ROX-041417	4/14/2017	41.66 - 51.66	37.98	NE	<0.0095	<0.00051 U	<0.028	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.00004 J	0.000057 J J	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
					Screening Values (mg/L)	0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-12	MW12-ROX-070914	7/9/2014	41.92 - 51.92	41.97	NE	<0.00098 U	<0.0056	<0.022 UJ	<0.025	<0.00011	<0.00011		<0.00011	<0.00022	<0.00022	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW12-ROX-100614	10/6/2014		40.98	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	<0.0021	<0.0021	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	<0.0053 UJ	<0.00011	<0.011
	MW12-ROX-011215	1/12/2015		42.33	NE	0.00023 J	<0.0056	<0.022	<0.025	0.00002 J	<0.00011		<0.00011	<0.0022	<0.0022	<0.011	<0.011	<0.0056	<0.011	<0.011	0.000018 J	<0.0056	<0.00011	<0.011 UJ
	MW12-ROX-040615	4/6/2015		43.75	NE	<0.0053	<0.0053	<0.021	<0.025 UJ	0.000019 J	<0.00011		<0.00011	0.000018 J	0.000031 J	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.00002 U	<0.0053	0.000016 J	<0.011
	MW12-ROX-070815	7/8/2015		42.86	NE	<0.0056	<0.0056	<0.022	<0.025 UJ	0.00012	0.00003 J		0.000059 J	0.000035 J	0.000079 J	<0.011	<0.011	<0.0056	<0.011	<0.011	0.000067 J	<0.0056	0.000081 J	<0.011
	MW12-ROX-100815	10/8/2015		40.54	NE	<0.01	<0.01	<0.03	<0.01	0.000039 J	<0.0002	<0.01	<0.0002	0.00006 J	0.000081 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	0.000021 J	<0.01
	MW12-ROX-100815-DUP	10/8/2015		40.54	NE	<0.01	<0.01	<0.03	<0.01	0.000039 J	<0.0002	<0.01	<0.0002	0.000036 J	0.000055 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	0.000021 J	<0.01
	MW12-ROX-011116	1/11/2016		40.98	NE	<0.01	<0.01	<0.03	<0.01	0.00037	<0.0002	<0.01	0.00014 J	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	0.000088 J	<0.01	0.00016 J	<0.01
	MW12-ROX-040716	4/7/2016		39.82	NE	<0.01	<0.01	<0.03	<0.01	0.000074 J	0.000069 J	<0.01	0.000064 J	0.000046 J	0.000086 J	<0.01	<0.02	<0.01	<0.01	<0.02	0.00014 J	<0.01	0.000039 J	<0.01
	MW12-ROX-071216	7/12/2016		38.89	NE	<0.01	0.00055 J J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	0.000051 J J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW12-ROX-101116	10/11/2016		38.85	NE	<0.01	<0.01	<0.03	<0.01 UJ	0.000052 J	<0.0002	<0.01	<0.0002	0.000025 J	0.000036 J	<0.01 UJ	<0.02 UJ	<0.01	<0.01	<0.02	<0.0002	<0.01	0.000029 J	<0.01
	MW12-ROX-010917	1/9/2017		38.11	NE	<0.01	0.00051 J B	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW12-ROX-041417	4/14/2017	41.92 - 51.92	38.29	NE	<0.01	<0.01	<0.03	<0.01	0.000021 J	<0.0002	<0.01	<0.0002	0.000025 J	0.000036 J J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-13	MW13-ROX-070714	7/7/2014	25.57 - 35.57	28.49	NE	<0.0055	<0.0055	<0.022	<0.025	<0.00011	<0.00011		<0.00011	<0.00022	<0.00022	<0.011	<0.011	<0.0055	<0.011	<0.011	<0.000055	<0.0055	<0.00011	<0.011
	MW13-ROX-101014	10/10/2014		27.48	NE	<0.006	<0.006	<0.024	<0.025	<0.00012	<0.00012		<0.00012	<0.0024	<0.0024	<0.012	<0.012	<0.006	<0.012	<0.012	0.000032 J	<0.006	<0.00012	<0.012
	MW13-ROX-011615	1/16/2015		29.09	NE	<0.00034 U	<0.0053	<0.021	<0.025	0.000022 J	0.000035 J		<0.00011	0.00004 J	0.00008 J	<0.011	<0.011	<0.0053	<0.011	<0.011	0.000025 J	<0.0053	0.000046 J	<0.011
	MW13-ROX-041415	4/14/2015		30.71	NE	<0.0056	<0.0056	<0.022	<0.025	0.000025 J	0.000066 J		<0.00011	0.000029 J	0.000055 J	<0.011	<0.011	<0.0056	<0.011	<0.011	0.00007	<0.0056	0.000023 J	<0.011
	MW13-ROX-070815	7/8/2015		29.16	NE	<0.0053	<0.0053	<0.021	<0.025 UJ	<0.00011	<0.00011		<0.00011	0.000031 J	0.000047 J	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	0.00032 J	0.000016 J	<0.011
	MW13-ROX-100515	10/5/2015		27.34	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00085	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW13-ROX-010716	1/7/2016		27.16	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00021	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW13-ROX-040816	4/8/2016		26.81	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW13-ROX-071116	7/11/2016		26.01	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW13-ROX100716	10/7/2016		25.16	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW13-ROX-010617	1/6/2017		25.54	NE	<0.01	0.0005 J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW13-ROX-041317	4/13/2017	25.57 - 35.57	25.75	NE	<0.01	<0.01	<0.03	<0.01	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.02	<0.01	<0.01	<0.02	<0.001	<0.01	<0.001	<0.01
MW-14	MW14-ROX-070714	7/7/2014	33.42 - 43.42	32.82	NE	0.00031 J	<0.0054	<0.022	<0.025	<0.00011	0.00024		<0.00011	0.0014	<0.00022	<0.011	<0.011	<0.0054	<0.011	<0.011	0.00024 J	<0.0054	<0.00011	<0.011
	MW14-ROX-101414	10/14/2014		31.65	NE	<0.00056 U	<0.0056	<0.022	<0.025	<0.00011	0.00024		<0.00011	0.0014 J	<0.0022	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000021 U	<0.0056	<0.00011	<0.011
	MW14-ROX-011615	1/16/2015		33.58	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	0.00013		<0.00011	0.00012 J	0.000026 J	<0.011	<0.011	<0.0053	<0.011	<0.011	0.000021 J	<0.0053	<0.00011	<0.011
	MW14-ROX-041415	4/14/2015		35.16	NE	<0.0052	<0.0052	<0.021	<0.025	<0.00011	0.00017		<0.00011	0.00007 J	0.000018 J	<0.01	<0.01	<0.0052	<0.01	<0.01	<0.000054	<0.0052	<0.00011	<0.01
	MW14-ROX-070915	7/9/2015		34.06	NE	0.00044 J	<0.0052	<0.021	<0.025 UJ	0.000016 J	0.00017		<0.0001	0.00019 J	0.00012 J	<0.01	<0.01	<0.0052	<0.01	<0.01	0.000062	<0.0052	0.000017 J	<0.01
	MW14-ROX-101315	10/13/2015		31.88	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00013 J	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW-14-ROX-010816	1/8/2016		31.64	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.000095 J	<0.01	0.000066 J	0.00013 J	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW14-ROX-041416	4/14/2016		31.32	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.000084 J	<0.01	<0.0002	0.000084 J	0.00004 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW14-ROX-071116	7/11/2016		30.59	NE	<0.01	0.00054 J J	<0.03	<0.01	<0.0002	0.000029 J	<0.01	<0.0002	0.000057 J	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW14-ROX-101416	10/14/2016		29.62	NE	<0.0095 UJ	0.00055 J H J	<0.029 UJ	<0.0095 UJ	<0.00019	0.00004 J *	<0.0095 UJ	<0.00019	0.000095 J J	0.000046 J J	<0.0095 UJ	<0.019 UJ	<0.0095 UJ	<0.0095 UJ	<0.019 UJ	<0.00019	<0.0095 UJ	<0.00019	<0.0095 UJ
	MW14-ROX-011117	1/11/2017		29.61	NE	<0.0098	0.0005 J	<0.029	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW14-ROX-041317	4/13/2017	33.42 - 43.42	29.54	NE	<0.0099	<0.0099	<0.03	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	0.000026 J	<0.0002	<0.0099	<0.02	<0.0099	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
					Screening Values (mg/L)	0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																	
MW-16	MW16-ROX-071014	7/10/2014	37.06 - 47.06	43.15	NE	<0.00021 U	<0.0054	<0.022 UJ	<0.025 UJ	<0.00011	<0.00011		<0.00011	<0.00022	<0.00022	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW16-ROX-100714	10/7/2014		42.27	NE	<0.006	<0.006	<0.024	<0.025	<0.00012	<0.00012		<0.00012	<0.0024	<0.0024	<0.012	<0.012	<0.006	<0.012	<0.012	<0.00006	<0.006	<0.00012	<0.012
	MW16-ROX-011315	1/13/2015		43.59	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	<0.000016 U	<0.000022 U	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	<0.0053	<0.00011	<0.011 UJ
	MW16-ROX-040915	4/9/2015		44.87	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	0.000026 JB J	0.000039 JB J	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW16-ROX-070915	7/9/2015		44.26	NE	0.00043 J	<0.0055	<0.022	<0.025 UJ	<0.00011	0.000037 J		<0.00011	0.000067 J	0.00012 J	<0.011	<0.011	<0.0055	<0.011	<0.011	0.000043 J	<0.0055	<0.00011	<0.011
	MW16-ROX-070915-DUP	7/9/2015		44.26	NE	<0.0056	<0.0056	<0.022	<0.025 UJ	<0.00011	<0.00011		<0.00011	0.000047 J	0.000074 J	<0.011	<0.011	<0.0056	<0.011	<0.011	0.000023 J	<0.0056	<0.00011	<0.011
	MW16-ROX-100715	10/7/2015		41.83	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000045 J	0.000073 J J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW16-ROX-011216	1/12/2016		41.99	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW16-ROX-040816	4/8/2016		41.17	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW16-ROX-071216	7/12/2016		39.93	NE	<0.01	0.00072 J J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW16-ROX-101116	10/11/2016		39.64	NE	<0.0099	<0.0099	<0.03	<0.0099 UJ	<0.0002	<0.0002	<0.0099	<0.0002	0.00002 J	0.000033 J	<0.0099 UJ	<0.02 UJ	<0.0099	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW16-ROX-010917	1/9/2017		39.15	NE	<0.0098	<0.00052 U	<0.029	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW16-ROX-041417	4/14/2017	37.06 - 47.06	39.34	NE	<0.0097	<0.0097	<0.029	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
MW-22	MW22-ROX-071414	7/14/2014	37.88 - 47.88	41.85	NE	<0.00057 U	<0.0054	<0.022	<0.025	<0.00011	0.00015		<0.00011	0.0198	0.0355	0.0102 J	0.0204	<0.0054	<0.011	<0.011	<0.00018 U	<0.0054	<0.00011	<0.011
	MW22-ROX-101014	10/10/2014		41.43	NE	<0.0063	<0.0063	<0.025	<0.25	<0.00013	0.00014		<0.00013	0.0193	0.0339	0.0064 J	0.011 J	<0.0063	<0.013	<0.013	0.00036	0.0079	<0.00013	<0.013
	MW22-ROX-011615	1/16/2015		42.19	NE	<0.0053	<0.0053	<0.021	<0.25	<0.00011	0.00051		<0.00011	0.0153	0.0184	<0.011	<0.011	<0.0053	<0.011	<0.011	0.000064	0.0119	<0.00011	<0.011
	MW22-ROX-041415	4/14/2015		43.71	NE	<0.0052	<0.0052	<0.021	<0.025	0.000016 J	0.00021	0.047 JN	<0.0001	0.024	0.0397	<0.01	0.0201	<0.0052	<0.01	<0.01	0.00013	0.0108	0.00002 J	<0.01
	MW22-ROX-071515	7/15/2015		42.64	NE	<0.029	<0.029	<0.11	<0.5	<0.00011	0.00011	0.033 JN	<0.00011	0.0216	0.0374	0.0075 J	<0.057	<0.029	<0.057	<0.057	0.000099	<0.029	<0.00011	<0.057
	MW22-ROX-101415	10/14/2015		40.54	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	0.021	<0.0002	0.015	0.026	0.0055 J	0.0097 J	<0.01	<0.01	<0.02	<0.0002	0.0082 J	<0.0002	0.0038 J * J
	MW22-ROX-011516	1/15/2016		40.42	NE	<0.01	<0.01	<0.03	<0.01	<0.002	<0.002	0.029	<0.002	0.022	0.038	0.0095 J	0.021	<0.01	<0.01	<0.02	<0.002	0.015	<0.002	0.0032 J
	MW22-ROX-011516-DUP	1/15/2016		40.42	NE	<0.01	<0.01	<0.03	<0.01	<0.002	<0.002	0.027	<0.002	0.019	0.033	0.0083 J	0.019 J	<0.01	<0.01	<0.02	<0.002	0.013	<0.002	<0.01
	MW22-ROX-041316	4/13/2016		39.56	NE	<0.01 UJ	<0.01 UJ	<0.03 UJ	<0.01 UJ	<0.0002	<0.0002	0.032 H J	<0.0002	0.019	0.026	<0.01 UJ	0.018 J H J	<0.01 UJ	<0.01 UJ	<0.02 UJ	<0.0002	<0.01 UJ	<0.0002	<0.01 UJ
	MW22-ROX-041316-DUP	4/13/2016		39.56	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	0.02	<0.0002	0.014	0.016	0.016	0.014 J	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW22-ROX-071516	7/15/2015		38.97	NE	<0.01	<0.00072 U	<0.03	<0.01	<0.0002	<0.0002	0.0043 J	<0.0002	0.0032 J	0.0048	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW22-ROX-071516-DUP	7/15/2016		38.97	NE	<0.01	<0.00086 U	<0.03	<0.01	<0.0002	<0.0002	0.005 J	<0.0002	0.0041 J	0.006	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW22-ROX-101716	10/17/2016		38.17	NE	<0.0098	<0.0098	<0.029	<0.0098	<0.00098	<0.00098	<0.0098	<0.00098	0.0061	0.0079 J	<0.0098	<0.02	<0.0098	<0.0098	<0.02	<0.00098	<0.0098	<0.00098	<0.0098
	MW22-ROX-101716-DUP	10/17/2016		38.17	NE	<0.0098	<0.0098 UJ	<0.029	<0.0098	<0.00098	<0.00098	0.0076 J	<0.00098	0.0048	0.006 J	<0.0098	<0.02	<0.0098	<0.0098	<0.02	<0.00098	<0.0098	<0.00098	<0.0098
	MW22-ROX-011217	1/12/2017		37.80	NE	<0.0093	<0.00056 U	<0.028	<0.0093	<0.00093	<0.00093	0.0064 J	<0.00093	0.0055	0.0089	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00093	<0.0093	<0.00093	<0.0093
	MW22-ROX-011217-DUP	1/12/2017		37.80	NE	<0.01	0.00073 J B	<0.031	<0.01	<0.001	<0.001	0.0067 J	<0.001	0.0057	0.0093	<0.01	<0.02	<0.01	<0.01	<0.02	<0.001	<0.01	<0.001	<0.01
	MW22-ROX-041717	4/17/2017	37.88 - 47.88	38.09	NE	<0.0095	<0.0095	<0.029	<0.0095	<0.00019	<0.00019	0.0084 J	<0.00019	0.0072	0.011 J	<0.0095	0.0025 J	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW22-ROX-041717-DUP	4/17/2017		38.09	NE	<0.0096	<0.0096	<0.029	<0.0096	<0.00019	<0.00019	0.01	<0.00019	0.0091	0.015 J	<0.0096	0.0023 J	<0.0096	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
MW-23	MW23-ROX-012615	1/26/2015	29.02 - 39.02	30.90	NE	<0.005	<0.005	<0.025	<0.2	<0.001	0.00096 J		<0.0002	0.0019	0.00056 J	<0.005	<0.005	<0.005	<0.005	<0.025	0.0037	<0.005	<0.001	<0.01
	MW23-ROX-040815	4/8/2015		32.24	NE	<0.0051	<0.0051	<0.02	<0.025	0.000029 J	0.000053 J		<0.0001	0.000036 JB J	0.000028 JB J	<0.01	<0.01	<0.0051	<0.01	<0.01	0.00057	<0.0051	0.00015	<0.01
	MW23-ROX-071015-BP	7/10/2015		30.54	NE	<0.0056	<0.0056	<0.022	<0.025	0.00002 J	0.000025 J		<0.00011	0.000045 JB J	0.000079 JB J	<0.011	<0.011	<0.0056	<0.011	<0.011	0.000052 J	<0.0056	0.000068 J	<0.011
	MW23-ROX-100515	10/5/2015		28.89	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000072 J	0.00011 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW-23-ROX-010716	1/7/2016		28.78	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	0.000022 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	0.000027 J	<0.01
	MW-23-ROX-040616	4/6/2016		27.96	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW-23-ROX-070816	7/8/2016		27.54	NE	<0.01	<0.0015 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000033 J	0.000039 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW23-ROX-BP-100716	10/7/2016		26.64	NE	<0.0098	<0.0098 UJ	<0.029	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	0.00002 J	0.000024 J	<0.0098	<0.02	<0.0098	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW23-ROX-011017	1/10/2017		26.83	NE	0.004 J	<0.00052 U	<0.029	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW23-ROX-041117	4/11/2017	29.02 - 39.02	26.89	NE	<0.0098	<0.0098	<0.029	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	0.000049 J	0.000049 J	<0.0098	<0.02	<0.0098	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
					Screening Values (mg/L)	0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-24	MW24-ROX-071114	7/10/2014	38.89 - 48.89	42.97	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	<0.00021	<0.00021	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	<0.0053	<0.00011	<0.011 UJ
	MW24-ROX-100814	10/8/2014		42.16	NE	<0.0054	<0.0054	<0.022	<0.025	<0.00011	<0.00011		<0.00011	<0.0022	<0.0022	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000054	<0.0054	<0.00011	<0.011 UJ
	MW24-ROX-011315	1/13/2015		43.17	NE	0.00023 J	<0.0053	<0.021	<0.025	<0.00011	0.000059 J		<0.00011	0.00009 JB	<0.000099 U	<0.011	<0.011	<0.0053	<0.011	<0.011	0.000037 J	<0.0053	<0.00011	<0.011 UJ
	MW24-ROX-040915	4/9/2015		44.45	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	0.00002 JB J	0.000035 JB J	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW24-ROX-070915	7/9/2015		44.65	NE	<0.0052	<0.0052	<0.021	<0.025 UJ	<0.0001	<0.0001		<0.0001	0.000049 J	0.000081 J	<0.01	<0.01	<0.0052	<0.01	<0.01	0.000041 J	<0.0052	<0.0001	<0.01
	MW24-ROX-100715	10/7/2015		41.45	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000057 J	0.000087 J J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW24-ROX-011316	1/13/2016		41.44	NE	<0.01	<0.01	<0.03	<0.01	0.000036 J	<0.0002	<0.01	0.000057 J	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	0.000034 J	<0.01
	MW24-ROX-040816	4/8/2016		40.79	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW24-ROX-071216	7/12/2016		39.67	NE	<0.01	0.00073 J J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00003 J	0.000035 J J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW24-ROX-101116	10/11/2016		39.19	NE	<0.01	<0.01	<0.03	<0.01 UJ	<0.0002	<0.0002	<0.01	<0.0002	0.000021 J	0.000029 J	<0.01 UJ	<0.02 UJ	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW24-ROX-010917	1/9/2017		38.97	NE	<0.0099	<0.00072 U	<0.03	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW24-ROX-041717	4/17/2017	38.89 - 48.89	39.27	NE	<0.0099	<0.0099	<0.03	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	0.00003 J	0.000048 J	<0.0099	<0.02	<0.0099	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
MW-25	MW25-ROX-102114	10/21/2014	35.59 - 45.59	36.44	NE	<0.0056	<0.0056	<0.022	<50	<0.00011	<0.00011		<0.00011	0.00093 J	0.00057 J	0.0011 J	0.0028 J	<0.0056	<0.011	<0.011	0.000033 J	0.173	<0.00011	<0.011
	MW25-ROX-012215	1/22/2015		38.45	NE	0.00028 J	<0.0052	<0.021	<6.3	<0.000018 U	<0.0001		<0.0001	0.00036 J	0.00015 J	<0.01	<0.01	<0.0052	<0.01	<0.01	<0.000052	0.107	<0.000019 U	<0.01
	MW25-ROX-042115	4/21/2015		39.71	NE	<0.0051	<0.0051	<0.02	<1.3 UJ	<0.0001	<0.0001		<0.0001	0.00067 J	0.00035 J	<0.01	<0.01	<0.0051	<0.01	<0.01	<0.000051	0.0592	<0.0001	<0.01
	MW25-ROX-071515	7/15/2015		38.40	NE	<0.0052	<0.0052	<0.021	<5	<0.0001	0.000019 J		<0.0001	0.00088 J	0.00049 J	<0.01	<0.01	<0.0052	<0.01	<0.01	0.000017 J	0.112	<0.0001	<0.01
	MW25-ROX-101915	10/19/2015		36.55	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00026	0.00014 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.071	<0.0002	<0.01
	MW25-ROX-011416	1/14/2016		36.12	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.0004	0.00017 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.049	<0.0002	<0.01
	MW25-ROX-041916	4/19/2016		35.67	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00031	0.00015 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.031	<0.0002	<0.01
	MW25-ROX-071816	7/18/2016		35.19	NE	<0.01 UJ	<0.0023 UJ	<0.03 UJ	<0.01 UJ	<0.0002 UJ	<0.0002 UJ	<0.01 UJ	<0.0002 UJ	0.000067 J H J	0.000047 J H J	<0.01 UJ	<0.02 UJ	<0.01 UJ	<0.01 UJ	<0.02 UJ	<0.0002 UJ	0.02 H J	<0.0002 UJ	<0.01 UJ
	MW25-ROX-100616	10/6/2016		34.27	NE	<0.01	0.00064 J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00021	0.000049 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.0095 J	<0.0002	<0.01
	MW25-ROX-011117	1/11/2017		34.00	NE	<0.0097	0.00046 J	<0.029	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	MW25-ROX-041117	4/11/2017	35.59 - 45.59	34.31	NE	<0.0095	<0.0095	<0.029	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.00024	0.000033 J	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	0.0042 J	<0.00019	<0.0095
MW-26	MW26-ROX-102114	10/21/2014	38.15 - 48.15	39.43	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	<0.0021	<0.0021	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW26-ROX-011215	1/12/2015		41.09	NE	<0.0052	<0.0052	<0.021	<0.025	<0.0001	<0.0001		<0.0001	<0.0021	<0.000017 U	<0.01	<0.01	<0.0052	<0.01	<0.01	0.000015 J	<0.0052	<0.0001	<0.01 UJ
	MW26-ROX-040815	4/8/2015		42.52	NE	<0.0052	<0.0052	<0.021	<0.025 UJ	<0.0001	<0.0001		<0.0001	<0.0021	<0.0021	<0.01	<0.01	<0.0052	<0.01	<0.01	<0.000052	<0.0052	<0.0001	<0.01
	MW26-ROX-070815	7/8/2015		41.76	NE	<0.0053	<0.0053	<0.021	<0.025 UJ	<0.00011	<0.00011		<0.00011	0.000046 J	0.000065 J	<0.011	<0.011	<0.0053	<0.011	<0.011	0.00003 J	<0.0053	<0.00011	<0.011
	MW26-ROX-100615	10/6/2015		39.19	NE	<0.01	0.00055 J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000083 J	0.00013 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW26-ROX-010716	1/7/2016		39.55	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW26-ROX-040616	4/6/2016		38.44	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW26-ROX-071216	7/12/2016		37.74	NE	<0.01	0.00058 J J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW26-ROX-101016	10/10/2016		37.13	NE	<0.01	0.00051 J J	<0.03	<0.01 UJ	<0.0002	<0.0002	<0.01	<0.0002	0.0001 J	0.00016 J	<0.01	<0.02 UJ	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW26-ROX-010617	1/6/2017		36.74	NE	<0.0093	0.00042 J	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW26-ROX-041417	4/14/2017	38.15 - 48.15	36.91	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-27	MW27-ROX-102114	10/21/2014	39.79 - 49.79	41.57	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	<0.0021	<0.0021	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW27-ROX-011515	1/15/2015		42.06	NE	0.00026 J J	<0.0053 UJ	<0.021	<0.025 UJ	<0.00011	0.000023 J J		0.000047 J J	<0.0021	<0.0021	<0.011	<0.011	<0.0053	<0.011	<0.011	0.000028 J J	<0.0053	0.000019 J J	<0.011
	MW27-ROX-041015	4/10/2015		43.22	NE	<0.0054	<0.0054	<0.022	<0.025	0.000024 J J	<0.00011		<0.00011	0.000036 J	0.00007 J	<0.011	<0.011	<0.0054	<0.011	<0.011	0.000019 JB J	<0.0054	0.000018 J	<0.011
	MW27-ROX-071015	7/10/2015		43.00	NE	<0.0056	<0.0056	<0.022	<0.025	<0.00011	<0.00011		<0.00011	0.00005 JB J	0.000086 JB J	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW27-ROX-100815	10/8/2015		40.32	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000035 J	0.000051 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW27-ROX-011316	1/13/2016		40.68	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW27-ROX-041116	4/11/2016		39.73	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000034 J	0.000051 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW-27-ROX-071316	7/13/2016		38.94	NE	<0.01	<0.00054 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00002 J	0.000028 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW27-ROX-101216	10/12/2016		38.50	NE	<0.0098	<0.0098	<0.029	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW27-ROX-011117	1/11/2017		38.05	NE	<0.0093	<0.0093	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW27-ROX-041417	4/14/2017	39.79 - 49.79	38.70	NE	<0.0095	<0.0095	<0.029	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.000025 J	0.000032 J J	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
					Screening Values (mg/L)	0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-28	MW28-ROX-102114	10/21/2014	33.61 - 43.61	36.44	NE	0.00026 J	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	0.00075 J	<0.0021	<0.011	<0.011	<0.0053	<0.011	<0.011	0.000017 J	<0.0053	<0.00011	<0.011
	MW28-ROX-011515	1/15/2015		41.14	NE	0.00033 J J	<0.0055	<0.022	<0.025 UJ	<0.00011	<0.00011		<0.00011	0.00047 J	<0.0022	<0.011	<0.011	<0.0055	<0.011	<0.011	<0.000055	<0.0055	<0.00011	<0.011
	MW28-ROX-041415	4/14/2015		42.34	NE	<0.0057	<0.0057	<0.023	<0.025	<0.00011	<0.00011		0.000035 J	0.00024 J	0.000037 J	<0.011	<0.011	<0.0057	<0.011	<0.011	<0.000057	<0.0057	<0.00011	<0.011
	MW28-ROX-071515	7/15/2015		42.19	NE	<0.0056	<0.0056	<0.022	<0.025	<0.00011	<0.00011		<0.00011	0.00021 J J	0.0001 JB J	<0.011	<0.011	<0.0056	<0.011	<0.011	0.00002 J	<0.0056	<0.00011	<0.011
	MW28-ROX-101215	10/12/2015		40.04	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000069 J	0.00007 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW28-ROX-101215-DUP	10/12/2015		40.04	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000033 J	0.000028 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW28-ROX-011416	1/14/2016		39.98	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.013	<0.0002	<0.01
	MW28-ROX-041216	4/12/2016		39.20	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000048 J	0.000055 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW28-ROX-071416	7/14/2016		38.49	NE	<0.01	<0.00084 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW28-ROX-101316	10/13/2016		37.86	NE	<0.0098	<0.0098	<0.029	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	0.000057 J	0.000034 J	<0.0098	<0.02	<0.0098	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW28-ROX-011217	1/12/2017		37.14	NE	<0.0093	0.00049 J B	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	0.0028 J	<0.00019	<0.0093
	MW28-ROX-041717	4/17/2017	33.61 - 43.61	38.02	NE	<0.0099	<0.0099	<0.03	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	0.00016 J	0.000092 J	<0.0099	<0.02	<0.0099	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
P-54	P54-ROX-071114	7/10/2014	38.00 - 63.00	41.71	NE	<0.00028 U	<0.0054	<0.022	<0.025	<0.00011	<0.00011		<0.00011	0.00011 J	0.00013 J	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000051 U	<0.0054	<0.00011	<0.011 UJ
	P54-ROX-100814	10/8/2014		40.88	NE	<0.0056	<0.0056	<0.022	<0.025	<0.00011	<0.00011		<0.00011	<0.0022	<0.0022	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	<0.0056	<0.00011	<0.011 UJ
	P54-ROX-011415	1/14/2015		41.79	NE	<0.0056	<0.0056	<0.022	<0.025 UJ	0.000021 J J	<0.00011		<0.00011	<0.0022	<0.0022	<0.011	<0.011	<0.0056	<0.011	<0.011	0.00002 J	<0.0056	0.00003 J	<0.011
	P54-ROX-041015	4/10/2015		43.20	NE	<0.0053	<0.0053	<0.021	<0.025	0.00002 J J	<0.00011		<0.00011	0.000024 J	0.000046 J	<0.011	<0.011	<0.0053	<0.011	<0.011	0.000025 JB J	<0.0053	0.000018 J	<0.011
	P54-ROX-070915	7/9/2015		42.25	NE	<0.0052	<0.0052	<0.021	<0.025 UJ	<0.0001	0.000019 J		<0.0001	0.000089 J	0.00015 J	<0.01	<0.01	<0.0052	<0.01	<0.01	0.000041 J	<0.0052	<0.0001	<0.01
	P54-ROX-100915	10/9/2015		40.20	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000037 J	0.000063 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	P54-ROX-011216	1/12/2016		40.22	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	P54-ROX-041216	4/12/2016		39.42	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	P54-ROX-071216	7/12/2016		38.44	NE	<0.01	0.00083 J J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000038 J	0.000049 J J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	P54-ROX-101216	10/12/2016		37.85	NE	<0.0098	0.00086 J	<0.029	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	0.000038 J	0.000043 J	<0.0098	<0.02	<0.0098	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	P54-ROX-010917	1/9/2017		37.80	NE	<0.01	<0.00053 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	P54-ROX-041717	4/17/2017	38.00 - 63.00	38.10	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
P-56	P56-ROX-070814	7/8/2014	40.82 - 65.82	45.97	NE	<0.0056	<0.0056	<0.022	<0.025 UJ	<0.00011	0.00036		<0.00011	0.0181	0.0243	<0.011	0.0165	<0.0056	<0.011	<0.011	0.001	<0.0056	<0.00011	<0.011
	P56-ROX-101314	10/13/2014		45.05	NE	<0.00035 U	<0.0054	<0.022	<0.025	<0.00011	0.00041		<0.00011	0.0235	0.0296	<0.011	<0.011	<0.0054	<0.011	<0.011	0.0015	<0.0054	<0.00011	<0.011 UJ
	P56-ROX-011915	1/19/2015		46.58	NE	<0.0054	<0.0054	<0.022	<0.025	<0.00011	0.0003		<0.00011	0.0197	0.0223	<0.011	<0.011	<0.0054	<0.011	<0.011	0.0011	<0.0054	0.00003 J	<0.011
	P56-ROX-041515	4/15/2015		48.05	NE	<0.0054	<0.0054	<0.022	<0.025	<0.00011	0.00041		<0.00011	0.026	0.0293	<0.011	0.0011 J	<0.0054	<0.011	<0.011	0.0013	<0.0054	0.000027 J J	<0.011
	P56-ROX-071015	7/10/2015		47.34	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	0.00033		<0.00011	0.0262	0.0119	<0.011	<0.011	<0.0053	<0.011	<0.011	0.0014	<0.0053	0.000029 J	<0.011
	P56-ROX-101415	10/14/2015		44.85	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00018 J	<0.01	<0.0002	0.013	0.011 J	<0.01	0.29	<0.01	<0.01	<0.02	0.00082	<0.01	<0.0002	<0.01 UJ
	P56-ROX-011116	1/11/2016		44.78	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00044	<0.01	<0.0002	0.021	0.019	<0.01	0.0028 J	<0.01	<0.01	<0.02	0.0014	<0.01	<0.0002	<0.01
	P56-ROX-041416	4/14/2016		43.73	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00014 J	<0.01	<0.0002	0.02	0.021	<0.01	<0.02	<0.01	<0.01	<0.02	0.0011	<0.01	<0.0002	<0.01
	P56-ROX-071216	7/12/2016		42.87	NE	<0.01	0.00093 J J	<0.03	<0.01	<0.0002	0.00019 J	<0.01	<0.0002	0.011	0.011	<0.01	<0.02	<0.01	<0.01	<0.02	0.00053	<0.01	<0.0002	<0.01 UJ
	P56-ROX-101716	10/17/2016		42.35	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.0069	0.0029	<0.01	<0.02	<0.01	<0.01	<0.02	0.00079	<0.01	<0.0002	<0.01
	P56-ROX-011217	1/12/2017		42.01	NE	<0.0097	<0.00078 U	<0.029	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	0.023	0.025	<0.0097	0.0024 J	<0.0097	<0.0097	<0.019	0.0012	<0.0097	0.000029 J	<0.0097
	P56-ROX-040617	4/6/2017	40.82 - 65.82	42.46	NE	<0.01	<0.01 UJ	<0.03	<0.01	<0.0002	0.000095 J	<0.01	<0.0002	0.0037	0.001	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
				Screening Values (mg/L)		0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
P-57	P57-ROX-070814	7/8/2014	40.46 - 65.46	45.95	NE	0.00026 J	<0.0053	<0.021	<0.025 UJ	<0.00011 UJ	0.00055	0.024 JN	<0.00011	0.022	0.0306	<0.011	0.0303	<0.0053	<0.011	<0.011	0.00047	0.141	<0.00011	<0.011
	P57-ROX-070814-DUP	7/8/2014		45.95	NE	0.00027 J	<0.0054	<0.022	<0.025 UJ	<0.00011 UJ	0.00054	0.023 JN	<0.00011	0.022	0.03	<0.011	0.0299	<0.0054	<0.011	<0.011	0.00048	0.136	<0.00011	<0.011
	P57-ROX-101414-DUP	10/14/2014		45.00	NE	<0.00082 U	<0.0058	<0.023	<50	<0.00012	0.00065		<0.00012	0.0243	0.0338	<0.012	0.0138	<0.0058	<0.012	<0.012	0.00058	0.271 J	<0.00012	<0.012
	P57-ROX-101414	10/14/2014		45.00	NE	<0.00086 U	<0.0056	<0.022	<50	<0.00011	0.00068		<0.00011	0.026	0.0345	<0.011	0.0152	<0.0056	<0.011	<0.011	0.00059	0.274 J	<0.00011	<0.011
	P57-ROX-012315	1/23/2015	44.19 - 54.19	47.52	NE	0.00039 J	<0.0053	<0.021	<13	<0.00002 U	0.00098		<0.00011	0.0385	0.0507	<0.011	0.0044 J	<0.0053	<0.011	<0.011	0.00062	0.159	<0.000027 U	<0.011 UJ
	P57-ROX-042015	4/20/2015		48.73	NE	0.00037 J	<0.0052	<0.021	<1.3 UJ	<0.0001	0.00089		<0.0001	0.0312	0.045	<0.01	<0.01	<0.0052	<0.01	<0.01	0.0007	0.164	0.000021 J	<0.01
	P57-ROX-071315	7/13/2015		47.81	NE	0.00044 J	<0.0053	<0.021	<25	<0.00011	0.00082		<0.00011	0.0302	0.0464	<0.011	<0.011	<0.0053	<0.011	<0.011	0.00064	0.189	0.00002 J	<0.011
	P57-ROX-101515	10/15/2015		45.56	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00045	<0.01	<0.0002	0.018	0.026	<0.01	0.038	<0.01	<0.01	<0.02	<0.0002	0.87	<0.0002	<0.01
	P57-ROX-011216	1/12/2016		45.61	NE	<0.01	<0.01	<0.03	<0.01	<0.001	0.00089 J	0.0037 J	<0.001	0.038	0.057	<0.01	<0.02	<0.01	<0.01	<0.02	0.00071 J	0.21	<0.001	<0.01
	P57-ROX-041816	4/18/2016		44.80	NE	<0.01 UJ	<0.01 UJ	<0.03 UJ	<0.01 UJ	<0.0002 UJ	0.00044 H J	0.0012 J H J	<0.0002 UJ	0.019 H J	0.027 H J	<0.01 UJ	0.0012 J H J	<0.01 UJ	<0.01 UJ	<0.02 UJ	0.00037 H J	0.42 H J	<0.0002 UJ	<0.01 UJ
	P57-ROX-071316	7/13/2016		44.02	NE	<0.01	<0.00069 U	<0.03	<0.01	<0.001	0.00053 J	<0.01	<0.001	0.026	0.036	<0.01	<0.02	<0.01	<0.01	<0.02	0.00053 J	0.73	<0.001	<0.01 UJ
	P57-ROX-101816	10/18/2016		43.17	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00064	0.0013 J	<0.0002	0.027	0.037	<0.01	<0.02	<0.01	<0.01	<0.02	0.00064	1.1	<0.0002	<0.01
	P57-ROX-011617	1/16/2017		42.82	NE	<0.0098	<0.0098	<0.029	<0.0098	<0.0002	0.00045	<0.0098	<0.0002	0.023	0.03	<0.0098	<0.02	<0.0098	<0.0098	<0.02	0.00041	2.1	<0.0002	<0.0098
	P57-ROX-040717	4/7/2017	44.19 - 54.19	43.05	NE	<0.0097 UJ	<0.0097 UJ	<0.029 UJ	<0.0097 UJ	<0.001	0.00038 J J	0.001 J H J	<0.001	0.019	0.025	<0.0097 UJ	<0.019 UJ	<0.0097 UJ	<0.0097 UJ	<0.019 UJ	0.0002 J	0.95 H J	<0.001	<0.0097 UJ
P-58	P58-ROX-071814	7/18/2014	40.21 - 65.21	43.80	NE	<0.00032 U	<0.0055	<0.022 UJ	<25 UJ	0.000062 J	0.0012		0.0005	0.0412	0.0554	<0.011	0.012	<0.0055	<0.011	<0.011	0.00092	0.173	0.00022	<0.011
	P58-ROX-101514	10/15/2014		43.14	NE	<0.0054	<0.0054	<0.022	<13	0.000064 J	0.0015		<0.00011	0.0504	0.0674	<0.011	0.0237	<0.0054	<0.011	<0.011	0.001	0.145	0.00024	<0.011
	P58-ROX-012315	1/23/2015		45.32	NE	0.00038 J	<0.0053	<0.021	<25	<0.000028 U	0.0011		<0.00011	0.0428	0.0565	<0.011	0.0025 J	<0.0053	<0.011	<0.011	0.00064	0.162	0.000097 JB	<0.011 UJ
	P58-ROX-042015	4/20/2015		46.67	NE	0.00028 J	<0.0052	<0.021	<0.25 UJ	0.000048 J	0.0012		<0.0001	0.0444	0.0563	<0.01	0.0047 J	<0.0052	<0.01	<0.01	0.00075	0.112	0.00019	<0.01
	P58-ROX-071415	7/14/2015		45.54	NE	0.00081 J	<0.0055	<0.022	<25	0.000054 J	0.0011		<0.00011	0.04	0.055	<0.011	0.0165	<0.0055	<0.011	<0.011	0.00083	0.153	0.00023	<0.011
	P58-ROX-101615	10/16/2015		43.45	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00038	<0.01	<0.0002	0.016	0.021	<0.01	0.013 J	<0.01	<0.01	<0.02	0.00021	0.23	0.000062 J	<0.01
	P58-ROX-011316	1/13/2016		43.18	NE	<0.01	<0.01	<0.03	<0.01	0.000063 J	0.0012	0.0025 J	<0.0002	0.062	0.083	<0.01	0.015 J	<0.01	<0.01	<0.02	0.00087	0.068	0.00017 J	<0.01
	P58-ROX-041816	4/18/2016		42.68	NE	<0.01 UJ	<0.01 UJ	<0.03 UJ	<0.01 UJ	<0.0002 UJ	0.0012 H J	0.002 J H J	<0.0002 UJ	0.061 H J	0.077 H J	<0.01 UJ	0.0035 J H J	<0.01 UJ	<0.01 UJ	<0.02 UJ	0.001 H J	0.45 H J	0.00024 H J	<0.01 UJ
	P58-ROX-071516	7/15/2016		42.05	NE	0.004 J	<0.00098 U	<0.03	<0.01	<0.0002	0.00063	0.0013 J	<0.0002	0.024	0.033	<0.01	<0.02	<0.01	<0.01	0.002 J	0.00032	0.21	<0.0002	<0.01 UJ
	P58-ROX-101816	10/18/2016		41.05	NE	<0.0098	<0.0098	<0.029	<0.0098	<0.00098	0.00094 J	0.0014 J	<0.00098	0.042	0.052	<0.0098	0.0034 J	<0.0098	<0.0098	<0.02	0.00087 J	0.6	0.00018 J	<0.0098
	P58-ROX-011617	1/16/2017		40.73	NE	<0.0095	0.00072 J	<0.029	<0.0095	<0.00095	0.00098	0.0015 J	<0.00095	0.038	0.045	<0.0095	0.0041 J	<0.0095	<0.0095	<0.019	0.0008 J	0.33	0.00024 J	<0.0095
	P58-ROX-041117	4/11/2017	40.21 - 65.21	40.74	NE	<0.0095	<0.0095	<0.028	<0.0095	<0.00095	0.0012	<0.0095	<0.00095	0.051	0.053	<0.0095	<0.019	<0.0095	<0.0095	<0.019	0.0011	0.15	0.00027 J	<0.0095
P-59	P59-ROX-070814	7/8/2014	47.91 - 72.91	47.69	NE	0.00045 J	<0.0057	<0.023	<0.025 UJ	0.000053 J J	0.00046		<0.00011	0.0181	0.0291	0.0793	0.0184	<0.0057	<0.011	<0.011	0.00088	<0.0057	0.0001 J	<0.011
	P59-ROX-101414	10/14/2014		46.18	NE	<0.00042 U	<0.0054	<0.022	<0.025	<0.00054	0.00087		<0.00054	0.0268	0.0425	0.0387	0.0092 J	<0.0054	<0.011	<0.011	0.0015	0.0361	<0.00054	<0.011
	P59-ROX-011915	1/19/2015		47.42	NE	<0.0054	<0.0054	<0.022	<2.5	0.00014	0.00073		<0.00011	0.0145	0.0216	0.0789	0.0145	<0.0054	<0.011	<0.011	0.0013	0.0169	0.00027	<0.011
	P59-ROX-041615	4/16/2015		48.83	NE	<0.0054	<0.0054	<0.022	<0.25	0.000078 J	0.00028	0.057 JN	<0.00011	0.0136	0.0189	0.0661	0.168	<0.0054	<0.011	<0.011	0.00081	0.0909	0.00014	<0.011
	P59-ROX-071315	7/13/2015		47.85	NE	<0.0054	<0.0054	<0.022	<0.63	0.0002	0.00045		<0.00011	0.0045	0.0049	0.044	0.0123	<0.0054	<0.011	<0.011	0.00064	0.0062	0.00039	<0.011
	P59-ROX-101515	10/15/2015		45.75	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.002	0.0091 J	<0.0002	0.014	0.014	0.093	0.061	<0.01	<0.01	<0.02	<0.0002	0.072	<0.0002	<0.01 UJ
	P59-ROX-011216	1/12/2016		46.10	NE	<0.01	0.00049 J	<0.03	<0.01	0.00017 J	0.00055 J	0.018	<0.001	0.017	0.026	0.012	0.0068 J	<0.01	<0.01	<0.02	0.00089 J	<0.01	0.00019 J	0.0047 J
	P59-ROX-041816	4/18/2016		44.28	NE	<0.01 UJ	<0.01 UJ	<0.03 UJ	<0.01 UJ	0.00022 J	0.00024 J	0.011 J	0.000044 J J	0.011 J	0.017 J	0.0021 J J	0.0033 J J	<0.01 UJ	<0.01 UJ	<0.02 UJ	0.000093 J J	0.044 J	0.00016 J J	<0.01 UJ
	P59-ROX-071316	7/13/2016		44.01	NE	<0.01	<0.00079 U	<0.03	<0.01	<0.001	<0.001	<0.01	<0.001	0.018	0.021	<0.01	<0.02	<0.01	<0.01	<0.02	<0.001	<0.01	<0.001	<0.01 UJ
	P59-ROX-101816	10/18/2016		43.39	NE	<0.0098	<0.0098	<0.029	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	0.022	0.037	<0.0098	<0.02	<0.0098	<0.0098	<0.02	<0.0002	0.094	<0.0002	<0.0098
	P59-ROX-011617	1/16/2017		42.83	NE	<0.0099	0.00077 J	<0.03	<0.0099	<0.00099	0.00041 J	0.016	<0.00099	0.019	0.027	<0.0099	<0.02	<0.0099	<0.0099	<0.02	0.001	0.075	0.00014 J	<0.0099
	P59-ROX-040717	4/7/2017	47.91 - 72.91	43.31	NE	<0.0097 UJ	<0.0097 UJ	<0.029 UJ	<0.0097 UJ	0.00012 J	0.00023 J	0.016 H J	<0.00095	0.018	0.028	<0.0097 UJ	0.0034 J H J	<0.0097 UJ	<0.0097 UJ	<0.019 UJ	0.00043 J	0.047 H J	<0.00095	<0.0097 UJ

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																	
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
					Screening Values (mg/L)	0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																	
P-66	P66-ROX-070714	7/7/2014	34.72 - 59.72	35.60	NE	0.0003 J	<0.0056	<0.022	<0.025	<0.00011	0.00078		<0.00011	0.0445	0.006	<0.011	<0.011	<0.0056	<0.011	<0.011	0.00041 J	<0.0056	<0.00011	<0.011
	P66-ROX-101414	10/14/2014		34.48	NE	<0.00066 U	<0.0055	<0.022	<0.025	<0.00011	0.0011		<0.00011	0.0595	0.0075	<0.011	<0.011	<0.0055	<0.011	<0.011	0.00064	<0.0055	0.000043 J	<0.011
	P66-ROX-011615	1/16/2015		36.62	NE	<0.00022 U	<0.0053	<0.021	<0.025	0.000047 J J	0.0014		<0.00011	0.0739	0.0178	<0.011	<0.011	<0.0053	<0.011	<0.011	0.00072 J	<0.0053	0.000077 J J	<0.011
	P66-ROX-011615-DUP	1/16/2015		36.62	NE	<0.0054	<0.0054	<0.022	<0.025	0.001 J	0.0015		0.00014	0.0682	0.0165	<0.011	<0.011	<0.0054	<0.011	<0.011	0.0016 J	<0.0054	0.00086 J	<0.011
	P66-ROX-041415	4/14/2015		38.27	NE	<0.0054	<0.0054	<0.022	<0.025	0.00005 J	0.0013		<0.00011	0.0665	0.02	<0.011	<0.011	<0.0054	<0.011	<0.011	0.00062	<0.0054	0.000053 J	<0.011
	P66-ROX-041415-DUP	4/14/2015		38.27	NE	<0.0053	<0.0053	<0.021	<0.025	0.000038 J	0.0013		<0.00011	0.0627	0.0187	<0.011	<0.011	<0.0053	<0.011	<0.011	0.00059	<0.0053	0.000041 J	<0.011
	P66-ROX-070815	7/8/2015		37.24	NE	<0.0053	<0.0053	<0.021	<0.025 UJ	0.000027 J	0.0011		<0.00011	0.0546	0.0075	<0.011	<0.011	<0.0053	<0.011	<0.011	0.00053	<0.0053	0.000028 J	<0.011
	P66-ROX-070815-DUP	7/8/2015		37.24	NE	<0.0053	<0.0053	<0.021	<0.025 UJ	0.000024 J	0.0011		<0.00011	0.0574	0.0077	<0.011	<0.011	<0.0053	<0.011	<0.011	0.00056	<0.0053	0.00004 J	<0.011
	P66-ROX-101315	10/13/2015		34.84	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	0.001 J	<0.0002	0.034	0.0025	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	P-66-ROX-010816	1/8/2016		34.64	NE	<0.01	<0.01	<0.03	<0.01	0.000037 J	0.0012	<0.01	0.000049 J	0.084 E J	0.01	<0.01	<0.02	<0.01	<0.01	<0.02	0.00055	<0.01	0.000043 J	<0.01
	P66-ROX-041516	4/15/2016		34.33	NE	<0.01	<0.01	<0.03	<0.01	0.000042 J	0.00049	<0.01	<0.0002	0.027	0.0099	<0.01	<0.02	<0.01	<0.01	<0.02	0.00035	<0.01	0.000054 J	<0.01
	P66-ROX-071116	7/11/2016		33.58	NE	<0.01	<0.01	<0.03	<0.01	<0.001	0.00091 J	<0.01	<0.001	0.062	0.013	<0.01	<0.02	<0.01	<0.01	<0.02	0.00054 J	<0.01	<0.001	<0.01 UJ
	P66-ROX-101416	10/14/2016		32.61	NE	<0.0095 UJ	<0.0095 UJ	<0.029 UJ	<0.0095 UJ	<0.00095	0.001 *	0.0028 J H J	<0.00095	0.056	0.028	<0.0095 UJ	<0.019 UJ	<0.0095 UJ	<0.0095 UJ	<0.019 UJ	<0.00095	<0.0095 UJ	0.00011 J *	<0.0095 UJ
	P66-ROX-011117	1/11/2017		32.41	NE	<0.0097	<0.0097	<0.029	<0.0097	<0.00097	<0.00097	0.006 J	<0.00097	0.011	<0.00097	<0.0097	<0.019	<0.0097	<0.0097	<0.019	<0.00097	<0.0097	0.00015 J	<0.0097
	P66-ROX-041317	4/13/2017	34.72 - 59.72	32.19	NE	<0.0098	<0.0098	<0.03	<0.0098	<0.0002	0.00053	0.001 J	<0.0002	0.022	0.0058	<0.0098	<0.02	<0.0098	<0.0098	<0.02	0.0001 J	<0.0098	0.000058 J	<0.0098
P-74	P74-ROX-070814	7/8/2014	44.43 - 69.43	43.02	NE	0.00039 J	<0.0057	<0.023	<0.025 UJ	<0.00011	0.00011		<0.00011	0.0034	0.003	<0.011	<0.011	<0.0057	<0.011	<0.011	0.000054 J	<0.0057	<0.00011	<0.011
	P74-ROX-101414	10/14/2014		41.48	NE	<0.0019 U	<0.005	<0.02	<0.025	<0.0001	<0.0001		<0.0001	<0.002	<0.002	<0.01	<0.01	<0.005	<0.01	<0.01	<0.00005	<0.005	<0.0001	<0.01
	P74-ROX-011915	1/19/2015		43.47	NE	<0.0053	<0.0053	<0.021	<0.025	0.000053 J	0.00023		<0.00011	0.0077	0.0107	<0.011	<0.011	<0.0053	<0.011	<0.011	0.00015 B	0.0169	0.000038 J	<0.011
	P74-ROX-041515	4/15/2015		44.61	NE	<0.0052	<0.0052	<0.021	<0.025	<0.0001	<0.0001		<0.0001	<0.0021	<0.0021	<0.01	<0.01	<0.0052	<0.01	<0.01	<0.000052	<0.0052	<0.0001	<0.01
	P74-ROX-071015	7/10/2015		43.28	NE	<0.0054	<0.0054	<0.022	<0.025	0.000019 J	<0.00011		<0.00011	0.00002 JB J	0.000029 JB J	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	P74-ROX-101415	10/14/2015		41.75	NE	<0.01	0.00089 J	<0.03	<0.01	<0.0002	0.00012 J	0.0022 J	<0.0002	0.0032	0.0031	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.1	0.000037 J	<0.01 UJ
	P74-ROX-011116	1/11/2016		40.67	NE	<0.01	0.00063 J B	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	P74-ROX-041516	4/15/2016		40.40	NE	<0.01	<0.01	<0.03	<0.01	0.000022 J	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	0.00002 J	<0.01
	P74-ROX-071216	7/12/2016		39.56	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.0011	0.0011	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	P74-ROX-101416	10/14/2016		39.44	NE	<0.0095 UJ	0.00047 J H J	<0.029 UJ	<0.0095 UJ	<0.00019	0.000086 J *	<0.0095 UJ	<0.00019	0.0017	0.0018	<0.0095 UJ	<0.019 UJ	<0.0095 UJ	<0.0095 UJ	<0.019 UJ	0.000034 J * J	<0.0095 UJ	<0.00019	<0.0095 UJ
	P74-ROX-011217	1/12/2017		38.64	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	0.000037 J	<0.01
	P74-ROX-040717	4/7/2017	44.43 - 69.43	38.92	NE	<0.01 UJ	<0.01 UJ	<0.031 UJ	<0.01 UJ	<0.00022	<0.00022	<0.01 UJ	<0.00022	<0.00022	<0.00022	<0.01 UJ	<0.021 UJ	<0.01 UJ	<0.01 UJ	<0.021 UJ	<0.00022	<0.01 UJ	<0.00022	<0.01 UJ

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TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
			Screening Values (mg/L)			0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
P-93A	P93A-ROX-071814	7/18/2014	48.17 - 63.17	45.70	NE	<0.00077 U	<0.0057	<0.023 UJ	<13 UJ	<0.00011	0.00024		<0.00011	0.0084	0.0053	<0.011	<0.011	0.0059	<0.011	<0.011	0.00017 B	0.0355	<0.00011	<0.011
	P93A-ROX-071814-DUP	7/18/2014		45.70	NE	<0.00041 U	<0.0057	<0.023 UJ	<13 UJ	<0.00011	0.00025		<0.00011	0.0095	0.0062	<0.011	<0.011	0.0052 J	<0.011	<0.011	0.00017 B	0.0396	<0.00011	<0.011
	P93A-ROX-101514	10/15/2014		45.06	NE	0.00024 J	<0.0052	<0.021	<13	<0.0001	0.00037		<0.0001	0.0114	0.0095	<0.01	<0.01	<0.0052	<0.01	<0.01	0.0003	0.0471	<0.0001	<0.01
	P93A-ROX-101514-DUP	10/15/2014		45.06	NE	0.00046 J J	<0.0054 UJ	<0.022 UJ	<13	<0.00011 UJ	0.00039 J		<0.00011 UJ	0.0122 J	0.0101 J	<0.011 UJ	<0.011 UJ	0.0011 J J	<0.011 UJ	<0.011 UJ	0.0003 J	0.05 J	<0.00011 UJ	<0.011 UJ
	P93A-ROX-012715	1/27/2015	43.07 - 53.07	46.05	NE	<0.005	<0.005	<0.025	<0.2 UJ	<0.001	<0.001		<0.0002	0.008	0.0038	<0.005	<0.005	<0.005	<0.005	<0.025	0.00026 J	0.09	<0.001	<0.01
	P93A-ROX-041715	4/17/2015		47.02	NE	<0.0053	<0.0053	<0.021	<0.025 UJ	0.000017 J	0.00021		<0.00011	0.0061	0.0028	<0.011	0.00063 J	<0.0053	<0.011	<0.011	0.00018	0.0251	0.000026 J	<0.011
	P93A-ROX-071315	7/13/2015		45.93	NE	0.00064 J	<0.0052	<0.021	<2.5	0.000025 J	0.00022		<0.0001	0.0056	0.0032	<0.01	<0.01	<0.0052	<0.01	<0.01	0.00018	0.128	0.000032 J	<0.01
	P93A-ROX-101515	10/15/2015		43.69	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00012 J	<0.01	<0.0002	0.0041	0.0016	<0.01	0.0021 J	<0.01	<0.01	<0.02	0.000086 J	0.078	<0.0002	<0.01
	P93A-ROX-101515-DUP	10/15/2015		43.69	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00013 J	<0.01	<0.0002	0.004	0.0016	<0.01	0.0023 J	<0.01	<0.01	<0.02	0.000092 J	0.082	<0.0002	<0.01
	P-93A-ROX-011216	1/12/2016		43.73	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.0047 J	0.0018 J	<0.01	0.002 J	<0.01	<0.01	<0.02	0.00011 J	0.24	<0.0002	<0.01
	P-93A-ROX-011216-DUP	1/12/2016		43.73	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00018 J	<0.01	<0.0002	0.0064 J	0.0031 J	<0.01	0.003 J	<0.01	<0.01	<0.02	0.00013 J	0.19	<0.0002	<0.01
	P93A-ROX-041916	4/19/2016		43.08	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00051	0.00016 J	<0.01	<0.02	<0.01	<0.01	<0.02	0.000039 J	0.0061 J	<0.0002	<0.01
	P93A-ROX-041916-DUP	4/19/2016		43.08	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00062	0.00025	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.0056 J	<0.0002	<0.01
	P93A-ROX-071316	7/13/2016		42.20	NE	<0.01	<0.0012 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00022	0.0001 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.0051 J	<0.0002	<0.01 UJ
	P93A-ROX-071316-DUP	7/13/2016		42.20	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.00007 J	<0.01	<0.0002	0.00025	0.00012 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.0078 J	<0.0002	<0.01 UJ
	P93A-ROX-101816	10/18/2016		41.35	NE	<0.01	0.00093 J J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00014 J	0.000068 J	<0.01	<0.02	<0.01	0.00067 J	<0.02	<0.0002	0.042	<0.0002	<0.01
	P93A-ROX-101816-DUP	10/18/2016		41.35	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00018 J	0.000093 J	<0.01	<0.02	<0.01	0.0017 J	<0.02	<0.0002	0.051	<0.0002	<0.01
	P93A-ROX-011217	1/12/2017		41.04	NE	<0.0098	0.0008 J B	<0.029	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	0.00013 J	0.000095 J	<0.0098	<0.02	<0.0098	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	P93A-ROX-011217-DUP	1/12/2017		41.04	NE	<0.011	0.0006 J B	<0.032	<0.011	<0.00021	<0.00021	<0.011	<0.00021	0.00015 J	0.0001 J	<0.011	<0.021	<0.011	<0.011	<0.021	<0.00021	<0.011	<0.00021	<0.011
	P93A-ROX-040717	4/7/2017	43.07 - 53.07	41.26	NE	<0.0095 UJ	<0.0095 UJ	<0.029 UJ	<0.0095 UJ	0.000045 J	<0.00019	<0.0095 UJ	0.0002	<0.00019	<0.00019	<0.0095 UJ	<0.019 UJ	<0.0095 UJ	<0.0095 UJ	<0.019 UJ	<0.00019	0.0077 J H J	0.000035 J	<0.0095 UJ
	P93A-ROX-040717-DUP	4/7/2017		41.26	NE	<0.011 UJ	<0.011 UJ	<0.032 UJ	<0.011 UJ	<0.00021	<0.00021	<0.011 UJ	0.000046 J	<0.00021	<0.00021	<0.011 UJ	<0.021 UJ	<0.011 UJ	<0.011 UJ	<0.021 UJ	<0.00021	0.01 J H J	<0.00021	<0.011 UJ
P-93B	P93B-ROX-071714	7/17/2014	74.60 - 76.60	45.75	NE	<0.00046 U	<0.0052	<0.021	<0.025 UJ	<0.0001	<0.0001		<0.0001	<0.00021	<0.00021	<0.01	<0.01	<0.0052	<0.01	<0.01	<0.000023 U	<0.0052 UJ	<0.0001	<0.01
	P93B-ROX-101514	10/15/2014		45.15	NE	0.00024 J	<0.0056	<0.022	<13	<0.00011	<0.00011		<0.00011	<0.0022	<0.0022	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	0.128	<0.00011	<0.011
	P93B-ROX-012315	1/23/2015		47.24	NE	0.00025 J	<0.0053	<0.021	<25	<0.00011	<0.000017 U		<0.00011	0.00002 J	<0.0021	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	0.0979	<0.00011	<0.011 UJ
	P93B-ROX-012315-DUP	1/23/2015		47.24	NE	0.00031 J	<0.0053	<0.021	<25	<0.00011	<0.00011		<0.00011	0.000023 J	0.000041 J	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000024 U	0.123	<0.00011	<0.011 UJ
	P93B-ROX-021915	2/19/2015		47.24	NE				<100															
	P93B-ROX-041615	4/16/2015		48.42	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	<0.00011		<0.00011	0.000034 JB J	0.00008 JB J	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	0.104 J	<0.00011	<0.011
	P93B-ROX-041615-DUP	4/16/2015		48.42	NE	<0.0053	<0.0053	<0.021	<25	<0.00011	0.00002 J		<0.00011	0.000028 JB J	0.000048 JB J	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	0.08 J	<0.00011	<0.011
	P93B-ROX-070915	7/9/2015		47.74	NE	<0.0051	<0.0051	<0.02	<130 UJ	0.000035 J	0.000031 J		<0.0001	0.000041 J	0.000059 J	<0.01	<0.01	<0.0051	<0.01	<0.01	0.000054 J	0.101	0.000025 J	<0.01
	P93B-ROX-070915-DUP	7/9/2015		47.74	NE	<0.0051	<0.0051	<0.02	<50 UJ	0.000029 J	0.000095 J		<0.0001	0.000058 J	0.000077 J	<0.01	<0.01	<0.0051	<0.01	<0.01	0.00031 J	0.0909	<0.0001	<0.01
	P93B-ROX-101515	10/15/2015		45.18	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.18	<0.0002	<0.01 UJ
	P93B-ROX-011316	1/13/2016		44.96	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.071	<0.0002	<0.01
	P93B-ROX-041916	4/19/2016		44.54	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.21	<0.0002	<0.01
	P93B-ROX-071516	7/15/2016		43.65	NE	<0.01	<0.0011 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.41	<0.0002	<0.01 UJ
	P93B-ROX-101816	10/18/2016		42.73	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.085	<0.0002	<0.01
	P93B-ROX-011017	1/10/2017		42.41	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.35	<0.0002	<0.01
	P93B-ROX-011017-DUP	1/10/2017		42.41	NE	<0.0098	<0.0098	<0.029	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.0098	<0.02	<0.0002	0.17	<0.0002	<0.0098
	P93B-ROX-040617	4/6/2017	74.60 - 76.60	42.59	NE	<0.0095	<0.0095	<0.029	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	0.14	<0.00019	<0.0095

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																	
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
					Screening Values (mg/L)	0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																	
P-93C	P93C-ROX-071714	7/17/2014	94.26 - 96.26	45.61	NE	<0.00035 U	<0.0052	<0.021	<0.025	<0.0001	<0.0001		<0.0001	<0.00021	<0.00021	<0.01	<0.01	<0.0052	<0.01	<0.01	<0.000024 U	<0.0087 UJ	<0.0001	<0.01
	P93C-ROX-101514	10/15/2014		44.99	NE	<0.0056	<0.0056	<0.022	<0.025	<0.00011	<0.00011		<0.00011	<0.0022	<0.0022	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	P93C-ROX-011915	1/19/2015	92.47 - 97.47	48.22	NE	<0.0054	<0.0054	<0.022	<2.5	<0.00011	<0.00011		<0.00011	<0.000033 U	<0.000042 U	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000033 U	0.0309	<0.00011	<0.011
	P93C-ROX-021915	2/19/2015		48.22	NE				<200														
	P93C-ROX-041615	4/16/2015		48.22	NE	<0.0054	<0.0054	<0.022	<2.5	<0.00011	<0.00011		<0.00011	0.00006 JB J	0.000084 JB J	<0.011	<0.011	<0.0054	<0.011	<0.011	0.000024 J	0.0215	<0.00011	<0.011
	P93C-ROX-071315	7/13/2015		47.09	NE	<0.0054	<0.0054	<0.022	<0.025	<0.00011	<0.00011		<0.00011	0.000095 JB J	0.00016 JB J	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	P93C-ROX-101415	10/14/2015		44.91	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.0001 J	0.00013 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	P-93C-ROX-010816	1/8/2016		44.68	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	P93C-ROX-041816	4/18/2016		44.06	NE	<0.01 UJ	<0.01 UJ	<0.03 UJ	<0.01 UJ	0.000023 J J	<0.0002 UJ	<0.01 UJ	<0.0002 UJ	0.000089 J J	0.00013 J J	<0.01 UJ	<0.02 UJ	<0.01 UJ	<0.01 UJ	<0.02 UJ	<0.0002 UJ	<0.01 UJ	<0.0002 UJ	<0.01 UJ
	P93C-ROX-071216	7/12/2016		43.37	NE	<0.01	0.00053 J J	<0.03	<0.01	<0.0002	<0.0002	<0.01	0.000044 J	0.000055 J	0.000053 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	P93C-ROX-101816	10/18/2016		42.49	NE	<0.0095	0.00046 J	<0.029	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.000048 J	0.000063 J	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P93C-ROX-011117	1/11/2017		42.20	NE	<0.0098	0.00062 J	<0.029	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	P93C-ROX-040517	4/5/2017	92.47 - 97.47	42.19	NE	<0.0095	<0.0095	<0.028	<0.0095	<0.00019	<0.00019	<0.0095	0.000051 J	0.000033 J	0.000037 J	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
P-93D	P93D-ROX-071714	7/17/2014	125.75 - 127.75	45.78	NE	<0.00025 U	<0.0052	<0.021	<0.025	<0.0001	<0.0001		<0.0001	<0.00021	<0.00021	<0.01	<0.01	<0.0052	<0.01	<0.01	<0.000022 U	<0.0052 UJ	<0.0001	<0.01
	P93D-ROX-101514	10/15/2014		45.14	NE	0.00031 J	<0.0054	<0.022	<0.25	<0.00011	<0.00011		<0.00011	<0.0022	<0.0022	<0.011	<0.011	<0.0054	<0.011	<0.011	0.000019 J	0.0458	<0.00011	<0.011
	P93D-ROX-110414	11/4/2014		45.14	NE				<0.025															
	P93D-ROX-012315	1/23/2015		42.28	NE	<0.0053	<0.0053	<0.021	<6.3	<0.00011	<0.00011		<0.00011	<0.0021	0.000019 J	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.000053	0.044	<0.00011	<0.011 UJ
	P93D-ROX-021915	2/19/2015		42.28	NE				<500															
	P93D-ROX-042015	4/20/2015		48.52	NE	<0.0052	<0.0052	<0.021	<2.5 UJ	0.000024 J	0.00002 J		<0.0001	0.00012 J	0.00016 J	<0.01	<0.01	<0.0052	<0.01	<0.01	0.000017 J	0.0395	0.000021 J	<0.01
	P93D-ROX-070915	7/9/2015		47.96	NE	<0.0051	<0.0051	<0.02	<13 UJ	0.000025 J	0.000019 J		<0.0001	0.000026 J	0.000038 J	<0.01	<0.01	<0.0051	<0.01	<0.01	0.000043 J	0.0278	0.000026 J	<0.01
	P93D-ROX-101515	10/15/2015		45.28	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000021 J	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.071	<0.0002	<0.01
	P93D-ROX-011316	1/13/2016		45.10	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.063	<0.0002	<0.01
	P93D-ROX-041916	4/19/2016		44.61	NE	<0.01	0.00057 J	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000032 J	0.000036 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.047	<0.0002	<0.01
	P93D-ROX-071516	7/15/2016		43.83	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	P93D-ROX-101716	10/17/2016		42.78	NE	<0.0095	<0.0095 UJ	<0.029	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P93D-ROX-011017	1/10/2017		42.59	NE	<0.0097	<0.0005 U	<0.029	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	P93D-ROX-040617	4/6/2017	125.75 - 127.75	42.80	NE	<0.0095	<0.0095	<0.028	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
P-114	P114-ROX-071814	7/18/2014	32.67 - 52.67	30.87	NE	<0.00028 U	<0.0051	<0.02 UJ	<0.025 UJ	<0.0001	<0.0001		<0.0001	<0.0002	<0.0002	<0.01	<0.01	<0.0051	<0.01	<0.01	<0.00012 U	<0.0051	<0.0001	<0.01
	P114-ROX-101714	10/17/2014		29.43	NE	<0.0057	<0.0057	<0.023	<0.025	<0.00011	<0.00011		<0.00011	<0.0023	<0.0023	<0.011	<0.011	<0.0057	<0.011	<0.011	<0.000057	<0.0057	<0.00011	<0.011 UJ
	P114-ROX-012115	1/21/2015		31.53	NE	0.00091 J	<0.0056	<0.022	<0.025	<0.00002 U	0.000048 J		<0.00011	<0.000092 U	<0.00012 U	<0.011	<0.011	<0.0056	<0.011	<0.011	<0.000046 U	<0.0056	<0.000042 U	<0.011 UJ
	P114-ROX-041715	4/17/2015		NM	NE	0.00031 J	<0.0053	<0.021	<0.025 UJ	0.000023 J	<0.00011		<0.00011	0.000025 JB J	0.000029 JB J	<0.011	<0.011	<0.0053	<0.011	<0.011	0.000039 J	<0.0053	0.000027 J	<0.011
	P114-ROX-070815	7/8/2015		29.16	NE	<0.005	<0.005	<0.02	<0.025 UJ	<0.0001	0.000033 J		<0.0001	<0.002	<0.002	<0.01	<0.01	<0.005	<0.01	<0.01	0.000023 J	<0.005	0.000032 J	<0.01
P-114R	P114R-ROX-100515	10/5/2015	23.01 - 33.01	28.15	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	P114R-ROX-010716	1/7/2016			NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000081 J	0.000095 J	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	P114R-ROX-040816	4/8/2016			NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	P114R-ROX-070816	7/8/2016			NE	<0.05	<0.05	<0.15	<0.05	<0.0002	<0.0002	<0.05	<0.0002	<0.0002	<0.0002	<0.05	<0.1	<0.05	<0.05	<0.1	<0.0002	<0.05	<0.0002	<0.05 UJ
	P114R-ROX-100716	10/7/2016		23.89	NE	<0.0095	<0.0095	<0.029	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P114R-ROX-010617	1/6/2017		24.81	NE	<0.01	<0.00063 U	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	P114R-ROX-041317	4/13/2017	23.01 - 33.01	25.05	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	0.0001 J	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	0.00011 J	<0.01	<0.0002	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																	
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
					Screening Values (mg/L)	0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																	
ROST-3-MW	ROST3MW-ROX-071414	7/14/2014	37.81 - 47.81	41.88	NE	<0.0004 U	<0.0054	<0.022	<0.025	<0.00011	<0.00011		<0.00011	0.00092	0.00097	<0.011	<0.011	<0.0054	<0.011	<0.011	<0.00016 U	<0.0054	<0.00011	<0.011
	ROST3MW-ROX-100914	10/9/2014		41.31	NE	<0.00026 U	<0.0056	<0.022	<0.025	<0.00011	<0.00011		<0.00011	0.00075 J	0.00057 J	<0.011	<0.011	<0.0056	<0.011	<0.011	0.00014 B	<0.0056	<0.00011	<0.011
	ROST3MW-ROX-011515	1/15/2015		41.83	NE	0.00045 J J	<0.0057	<0.023	<0.025 UJ	0.000022 J J	0.000035 J J		<0.00011	0.001 J	0.00024 J	<0.011	<0.011	<0.0057	<0.011	<0.011	0.0001 J	<0.0057	0.000033 J J	<0.011
	ROST3MW-ROX-041315	4/13/2015		43.43	NE	<0.0052	<0.0052	<0.021	<0.025	<0.0001	0.00003 J		<0.0001	0.001 J	0.0005 J	<0.01	<0.01	<0.0052	<0.01	<0.01	0.00011	<0.0052	0.000019 J	<0.01
	ROST3MW-ROX-071315	7/13/2015		42.36	NE	<0.0053	<0.0053	<0.021	<0.025	<0.00011	0.000048 J		<0.00011	0.0014 J	0.00084 JB	<0.011	<0.011	<0.0053	<0.011	<0.011	0.00011 B	<0.0053	0.000018 J	<0.011
	ROST3MW-ROX-101215	10/12/2015		40.29	NE	<0.01	0.0028 J	<0.03	<0.01	0.000056 J	0.000086 J	<0.01	0.000092 J	0.0025	0.0023	<0.01	<0.02	<0.01	<0.01	<0.02	0.00018 J	<0.01	0.000056 J	<0.01
	ROST3MW-ROX-011416	1/14/2016		40.30	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.0017	0.0014	<0.01	<0.02	<0.01	<0.01	<0.02	0.000096 J	<0.01	<0.0002	<0.01
	ROST3MW-ROX-041216	4/12/2016		39.69	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.002	0.00013 J	<0.01	<0.02	<0.01	<0.01	<0.02	0.000081 J	<0.01	<0.0002	<0.01
	ROST3MW-ROX-071416	7/14/2016		38.70	NE	<0.01	<0.00097 U	<0.03	<0.01	<0.0002	0.000043 J	<0.01	<0.0002	0.0013	0.00077	<0.01	<0.02	<0.01	<0.01	<0.02	0.00011 J	<0.01	<0.0002	<0.01
	ROST3MW-ROX-101316	10/13/2016		38.19	NE	<0.0098	<0.0098	<0.029	<0.0098	<0.0002	0.00011 J	<0.0098	<0.0002	0.0033	0.0034	<0.0098	<0.02	<0.0098	<0.0098	<0.02	0.00019 J	<0.0098	<0.0002	<0.0098
	ROST3MW-ROX-011117	1/11/2017		37.50	NE	<0.0093	<0.0093	<0.028	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	0.0038	<0.00019	<0.0093	<0.019	<0.0093	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	ROST3MW-ROX-041417	4/14/2017	37.81 - 47.81	38.07	NE	<0.0095	<0.00064 U	<0.029	<0.0095	<0.00019	0.000065 J	<0.0095	<0.00019	0.0025	<0.00019	<0.0095	<0.019	<0.0095	<0.0095	<0.019	0.000085 J	<0.0095	<0.00019	<0.0095
ROST-4-PZ(C)	ROST4C-ROX-071114	7/10/2014	34.95 - 44.95	42.22	NE	<0.00031 U	<0.0053	<0.021	<0.025	<0.0001	<0.0001		<0.0001	0.00021	<0.0002	<0.011	<0.011	<0.0053	<0.011	<0.011	<0.00012 U	<0.0053	<0.0001	<0.011 UJ
	ROST4PZC-ROX-100914	10/9/2014		41.30	NE	<0.00032 U	<0.0056	<0.022	<0.025	<0.00011	<0.00011		<0.00011	<0.0022	<0.0022	<0.011	0.00071 J	<0.0056	<0.011	<0.011	<0.000088 U	0.00088 J	<0.00011	<0.011
	ROST4PZC-ROX-011515	1/15/2015		41.65	NE	0.0003 J J	<0.0057	<0.023	<0.025 UJ	<0.00011	<0.00011		<0.00011	0.000038 J	0.000018 J J	<0.011	<0.011	<0.0057	<0.011	<0.011	0.00004 J J	<0.0057	0.000022 J J	<0.011
	ROST4PZC-ROX-041315	4/13/2015		43.00	NE	<0.0051	<0.0051	<0.02	<0.025	<0.0001	<0.0001		<0.0001	0.0012 J	0.00038 JB	<0.01	0.0011 J	<0.0051	<0.01	<0.01	0.000075	<0.0051	0.000022 J	<0.01
	ROST4PZ-ROX-071315	7/13/2015		42.59	NE	<0.0052	<0.0052	<0.021	<0.025	<0.0001	0.00005 J		<0.0001	0.0095	0.0077	<0.01	<0.01	<0.0052	<0.01	<0.01	0.00011 B	<0.0052	0.000025 J	<0.01
	ROST4PZC-ROX-101215	10/12/2015		40.35	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	0.0012 J	<0.0002	0.013	0.011	<0.01	0.0051 J	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	ROST4PZC-ROX-011516	1/15/2016		40.54	NE	<0.01	<0.01	<0.03	<0.01	<0.002	<0.002	<0.01	<0.002	0.02	0.02	<0.01	0.001 J	<0.01	<0.01	<0.02	<0.002	<0.01	<0.002	<0.01
	ROST4PZC-ROX-041316	4/13/2016		39.61	NE	<0.01	<0.01	<0.03	<0.01	0.000026 J	0.00026	<0.01	<0.0002	0.02	0.016	<0.01	<0.02	<0.01	<0.01	<0.02	0.00021	<0.01	0.000028 J	<0.01
	ROST4PZC-ROX-071516	7/15/2016		38.93	NE	<0.01	<0.00081 U	<0.03	<0.01	<0.0002	0.00019 J	<0.01	<0.0002	0.0035	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.02	0.00013 J	<0.01	<0.0002	<0.01 UJ
	ROST4PZC-ROX-101316	10/13/2016		38.45	NE	<0.0096	<0.0096	<0.029	<0.0096	<0.00019	0.00059	<0.0096	<0.00019	0.057	0.063	<0.0096	<0.019	<0.0096	<0.0096	<0.019	0.00098	<0.0096	0.000023 J	<0.0096
	ROST4PZC-ROX-011217	1/12/2017		37.88	NE	<0.0094	0.00057 J B	<0.028	<0.0094	0.00002 J	0.00093	<0.0094	<0.00019	0.048	0.057	<0.0094	<0.019	<0.0094	<0.0094	<0.019	0.0022	<0.0094	0.000048 J	<0.0094
	ROST4PZC-ROX-041717	4/17/2017	34.95 - 44.95	38.36	NE	<0.0097	<0.0097	<0.029	<0.0097	0.000022 J	0.00066	<0.0097	<0.00019	0.026	0.016	<0.0097	<0.019	<0.0097	<0.0097	<0.019	0.00045	<0.0097	0.000043 J	<0.0097

SEE LAST PAGE OF TABLE FOR NOTES

TABLE RL-5
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,4-Dinitrophenol	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	Nitrobenzene	2-Nitrophenol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
					Screening Values (mg/L)	0.7 [1]	0.14 [2]	0.014 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.014 [1]		0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
T-12	T12-ROX-070814	7/8/2014	46.72 - 72.72	45.13	NE	0.00038 J	<0.0054	<0.022	<0.025 UJ	<0.00011	0.00022		<0.00011	0.015	0.0245	0.0092 J	0.0033 J	<0.0054	<0.011	<0.011	0.00051	<0.0054	<0.00011	<0.011
	T12-ROX-101714	10/17/2014		44.40	NE	0.00061 J	<0.0056	<0.022	<0.25	<0.00011	0.00031		<0.00011	0.022	0.0369	0.003 J	0.0059 J	<0.0056	<0.011	<0.011	0.00079	0.0154	<0.00011	<0.011 UJ
	T12-ROX-011915	1/19/2015	46.83 - 72.83	45.27	NE	<0.0053	<0.0053	<0.021	<0.25	<0.00011	0.00032	0.0069 JN	<0.00011	0.021	0.0332	0.0055 J	0.0016 J	<0.0053	<0.011	<0.011	0.00082	0.0155	0.000055 J	<0.011
	T12-ROX-041515	4/15/2015		46.73	NE	0.00033 J	<0.0056	<0.022	<0.025	0.000024 J	0.00032		<0.00011	0.021	0.0335 J	0.0021 J	0.0042 J	<0.0056	<0.011	<0.011	0.00086	0.0099	0.000052 J J	<0.011
	T12-ROX-071015	7/10/2015		46.09	NE	<0.0054	<0.0054	<0.022	<0.25	0.000027 J	0.00029		<0.00011	0.0178	0.0301	<0.011	<0.011	<0.0054	<0.011	<0.011	0.00083	0.0221	0.000053 J	<0.011
	T12-ROX-101515	10/15/2015		43.72	NE	<0.01	<0.01	<0.03	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.017	0.024	<0.01	<0.02	<0.01	<0.01	<0.02	0.0005	0.054	0.000038 J	<0.01 UJ
	T12-ROX-011216	1/12/2016		44.13	NE	<0.01	<0.01	<0.03	<0.01	<0.0004	0.00033 J	<0.01	<0.0004	0.021	0.031	<0.01	<0.02	<0.01	<0.01	<0.02	0.00088	0.064	<0.0004	<0.01
	T12-ROX-041516	4/15/2016		42.07	NE	<0.01	<0.01	<0.03	<0.01	0.000027 J	0.0003	<0.01	<0.0002	0.017	0.024	<0.01	<0.02	<0.01	<0.01	<0.02	0.00049	0.098	0.000034 J	<0.01
	T12-ROX-071216	7/12/2016		41.50	NE	<0.01	0.00076 J J	<0.03	<0.01	<0.0002	0.00022	<0.01	<0.0002	0.0072	0.002	<0.01	<0.02	<0.01	<0.01	<0.02	<0.0002	0.038	0.000048 J	<0.01 UJ
	T12-ROX-101716	10/17/2016		41.19	NE	<0.0098	<0.0098	<0.029	<0.0098	<0.0002	0.00028	<0.0098	<0.0002	0.017	0.021	<0.0098	<0.02	<0.0098	<0.0098	<0.02	0.0006	0.073	<0.0002	<0.0098
	T12-ROX-011217	1/12/2017		40.70	NE	<0.0098	0.00053 J B	<0.029	<0.0098	<0.0002	<0.0002	0.0018 J	<0.0002	0.0039	0.00028	<0.0098	0.001 J	<0.0098	<0.0098	<0.02	<0.0002	0.13	0.00007 J	<0.0098
	T12-ROX-040617	4/6/2017	46.83 - 72.83	41.18	NE	0.0038 J	<0.0096 UJ	<0.029	<0.0096	<0.00019	<0.00019	0.0044 J	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.0096	<0.019	<0.00019	0.021	<0.00019	<0.0096

Notes:

1 Denotes screening critieria source from 35 I.A.C. 620, Subpart D.

2 Denotes screening critieria source from 35 I.A.C. 742 (TACO), Appendix B, Table E.

3 Denotes screening criteria source from IL EPA Toxicity Assessment Unit (Chemicals not in TACO, Tier 1 Tables).

The laboratory has been requested to perform a library search in all samples for butane, hexane, isopentane, 1,2,3-trimethylbenzene, and indene, which are reported as Tentatively Identified Compounds (TICs), when identified.

Beginning in 4Q15, 1,4-Dioxane was analyzed via 8270 SVOC. Prior historical results were reported by VOC analysis.

Indicates a historical exceedance of screening criteria.

Indicates a current exceedance of screening criteria.

Empty cell without a value indicates previous quarter analyte result was rejected, the analyte was not analyzed, or the TIC was not identified.

LABORATORY QUALIFIERS

B = Target analyte or common lab contaminant was identified in the method blank indicating possible field or lab contamination.

J = The analyte was detected below the reporting limit. Result is estimated.

E = The value exceeds calibration range.

JN = Estimated value for tentatively identified compound (library search).

H = Analyzed or extracted out of holding time criteria.

<#.## Indicates the analyte was not detected above the given reporting limit.

AECOM QUALIFIERS

J = The result is estimated.

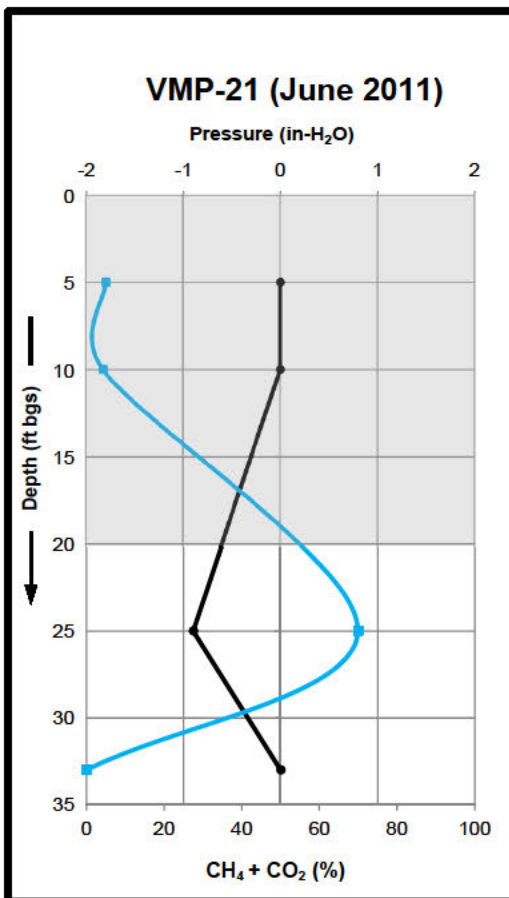
UJ = Estimated non-detect.

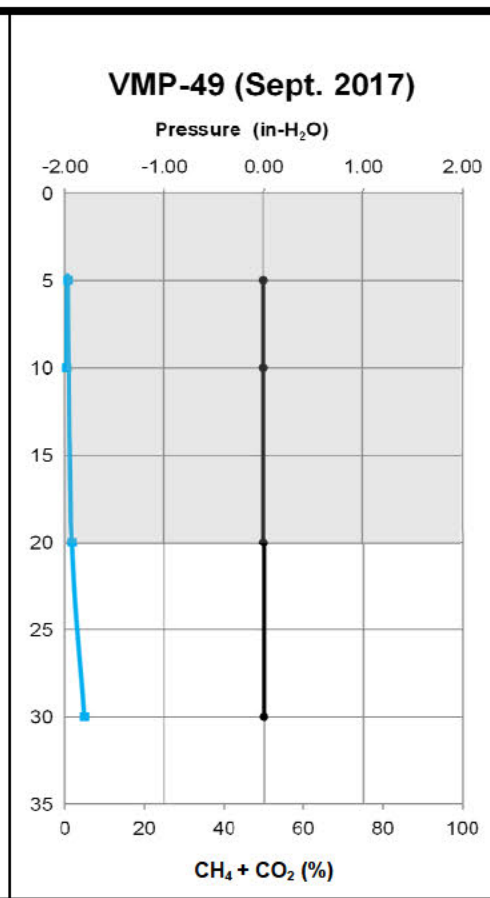
U = Result is non-detect.

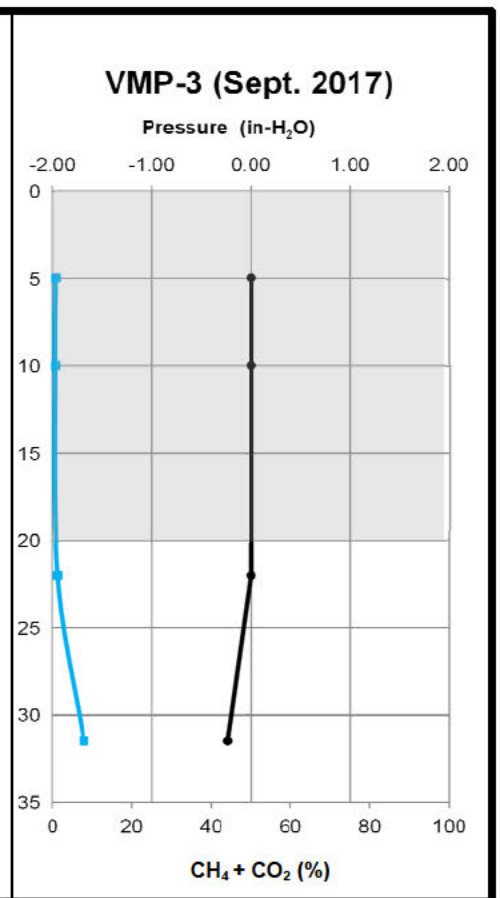
Figures

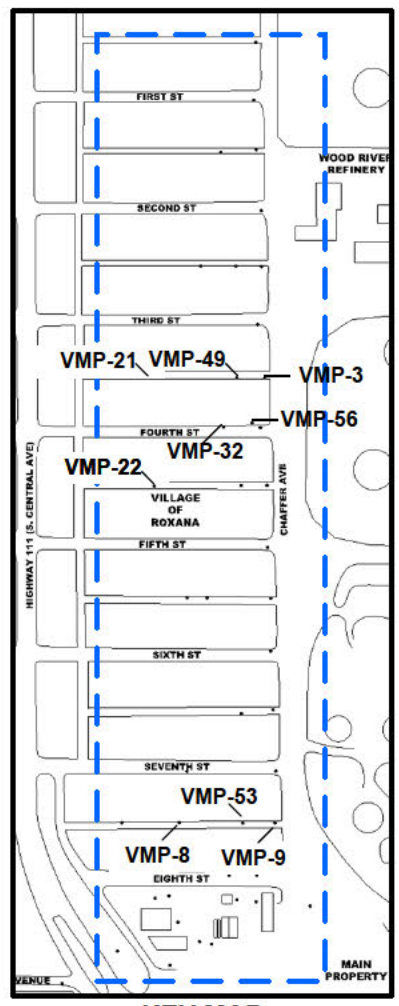
Response Letter Figure		Previous Figure Number and Source		IEPA Comment
RL-1	Characteristics of Advection		New Figure	6
RL-2	1Q14 Through 1Q15 Groundwater Monitoring Well Analytical Exceedances and Delineation	2	Demonstration to Verify the Extent of Groundwater Contamination Has Been Delineated, Roxana, Illinois Letter to IEPA dated April 16 2015	23
RL-3	2Q17 Dissolved Phase Benzene Concentrations in Groundwater	6	2nd Quarter 2017 Report Roxana Interim Groundwater Monitoring Program	23
RL-4	Geologic Cross Section A-A' (North to South)	2-2	TACO Tier 3 Demonstration , Part 1	24, 25, 26
RL-5	Geologic Cross Section B-B' (West to East)	2-3	TACO Tier 3 Demonstration , Part 1	24, 25, 26
RL-6	Geologic Cross Section C-C' (West to East)	2-4	TACO Tier 3 Demonstration , Part 1	24, 25, 26
RL-7	Geologic Cross Section D-D' (West to East)		New Figure	24, 25, 26
RL-8	Geologic Cross Section E-E' (North to South)		New Figure	24, 25, 26
RL-9	PID Concentration in Soil Pre-SVE Cross Sections A-A' and B-B' (North to South)	3-1	TACO Tier 3 Demonstration , Part 1	30, 31
RL-10	PID Concentration in Soil Pre-SVE Cross Section C-C' (West to East)		New Figure	30, 31
RL-11	PID Concentration in Soil Pre-SVE Cross Section D-D' (West to East)	3-1	TACO Tier 3 Demonstration , Part 1	30, 31
RL-12	PID Concentration in Soil Pre-SVE Cross Section E-E' (West to East)		New Figure	30, 31
RL-13	PID Concentration in Soil Pre-SVE Cross Section F-F' (West to East)		New Figure	30, 31
RL-14	BTEX Concentration in Soil Pre-SVE Cross Sections A-A' and B-B' (North to South)	3-2	TACO Tier 3 Demonstration , Part 1	30, 31
RL-15	BTEX Concentration in Soil Pre-SVE Cross Section C-C' (West to East)		New Figure	30, 31
RL-16	BTEX Concentration in Soil Pre-SVE Cross Section D-D' (West to East)	3-2	TACO Tier 3 Demonstration , Part 1	30, 31
RL-17	BTEX Concentration in Soil Pre-SVE Cross Section E-E' (West to East)		New Figure	30, 31
RL-18	BTEX Concentration in Soil Pre-SVE Cross Section F-F' (West to East)		New Figure	30, 31
RL-19	Benzene Concentration in Soil Pre-SVE Cross Sections A-A' and B-B' (North to South)		New Figure	30, 31

	Response Letter Figure	Previous Figure Number and Source	IEPA Comment
RL-20	Benzene Concentration in Soil Pre-SVE Cross Section C-C' (West to East)	New Figure	30, 31
RL-21	Benzene Concentration in Soil Pre-SVE Cross Section D-D' (West to East)	New Figure	30, 31
RL-22	Benzene Concentration in Soil Pre-SVE Cross Section E-E' (West to East)	New Figure	30, 31
RL-23	Benzene Concentration in Soil Pre-SVE Cross Section F-F' (West to East)	New Figure	30, 31
RL-24	BTEX Concentration in Soil Gas Over Time (5 feet bgs)	New Figure	31
RL-25	BTEX Concentration in Soil Gas Over Time (10 feet bgs)	New Figure	31
RL-26	BTEX Concentration in Soil Gas Over Time (20 feet bgs)	New Figure	31
RL-27	BTEX Concentration in Soil Gas Over Time (30 feet bgs)	New Figure	31



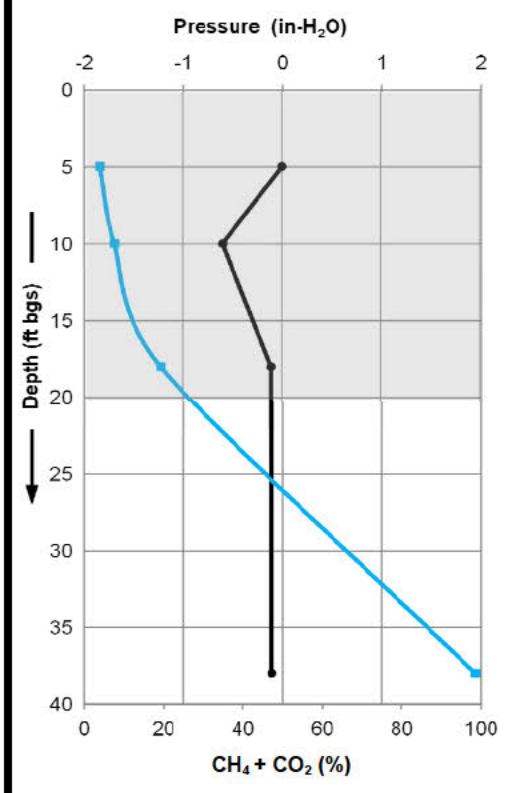


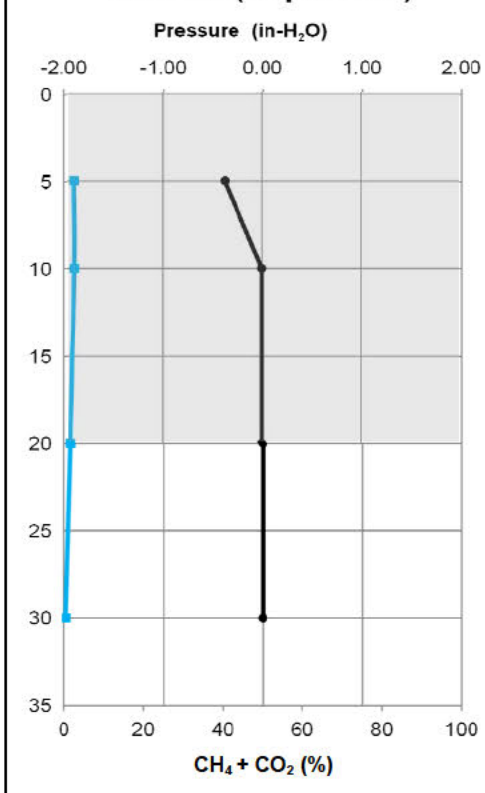


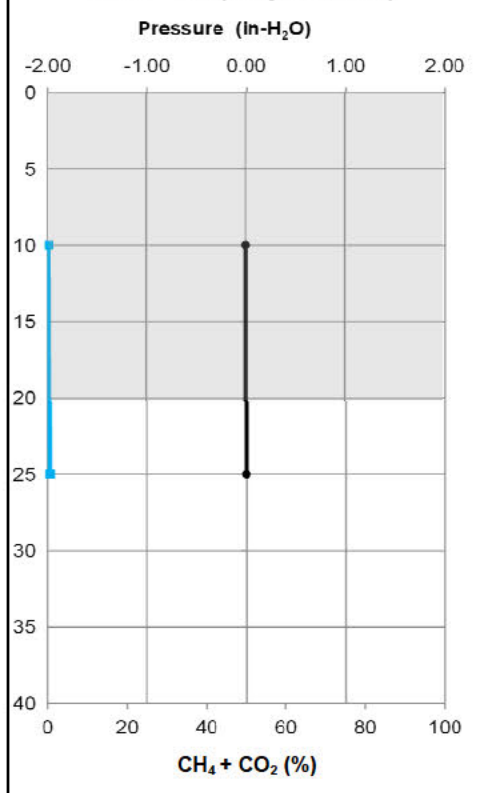


KEY MAP

NOT TO SCALE



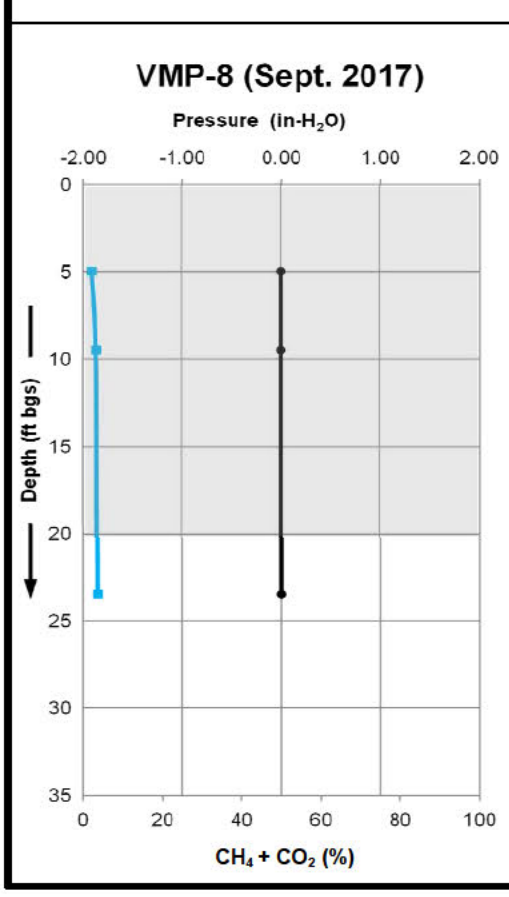


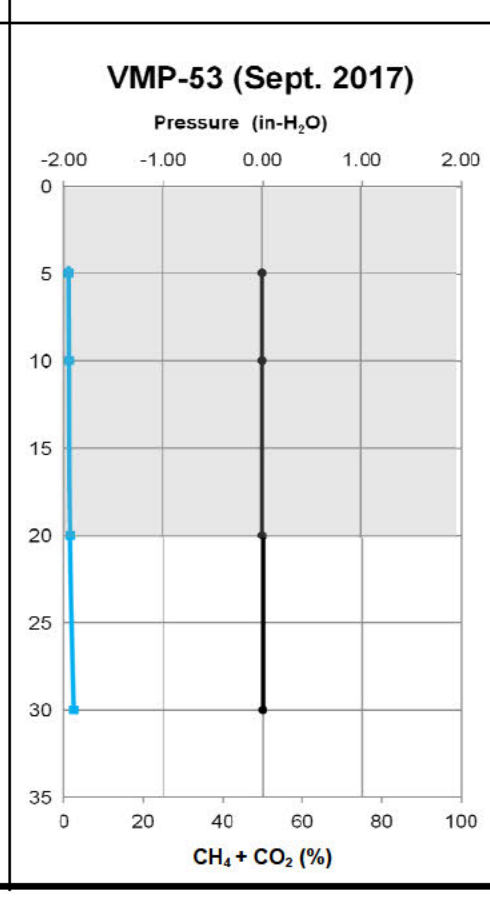


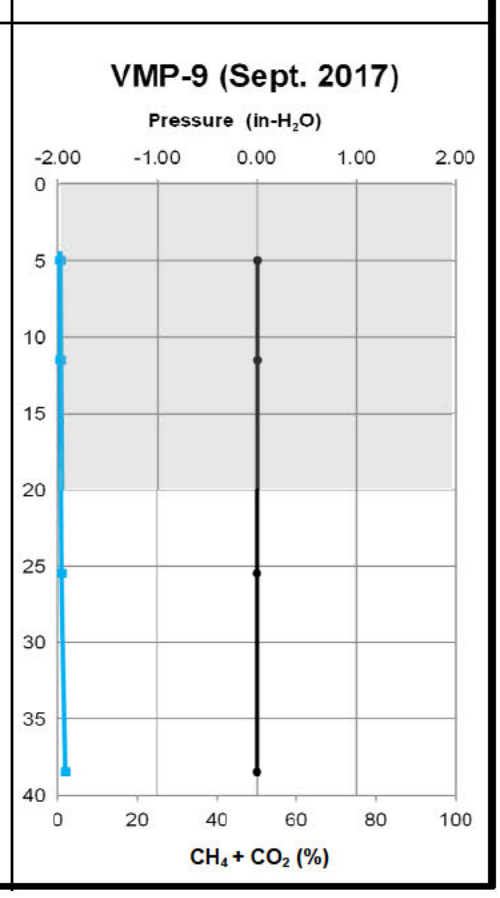
CONCLUSIONS

- $CH_4 + CO_2 < 90\%$
- $\Delta P < 2$ in-wc

No evidence of advective transport.







Legend

= Methane + Carbon Dioxide (%)

= Differential Pressure (ΔP) (in-wc)

NOTES:

1.) POTENTIAL ADVECTIVE TRANSPORT CONDITIONS EXIST WHEN DIFFERENTIAL PRESSURE (ΔP) IS +2 IN-WC AND METHANE PLUS CARBON DIOXIDE IS EQUAL TO OR GREATER THAN 90% (I.E., $CH_4 + CO_2$ >90%).

2.) DATA SHOWN IN PLOTS WAS COLLECTED DURING PERIODS OF SYSTEM DOWN-TIME TO REPRESENT A SUB-SURFACE ENVIRONMENT IN THE ABSENCE ACTIVE SOIL VAPOR EXTRACTION.

3.) THE SCREENING DATA WERE COLLECTED THROUGH FIELD LABORATORY ANALYSIS OF SOIL GAS COLLECTED IN TEDLAR® BAG SAMPLES USING THERMO SCIENTIFIC TVA 1000 VAPOR ANALYZER - FLAME IONIZATION DETECTOR.

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US
TACO TIER 3 DEMONSTRATION
ROXANA, ILLINOIS

PROJECT NO. 60527968

AECOM

DRN. BY: cem Oct. 2017
DSGN. BY: cem
CHKD. BY: bbb

Characteristics of Advection

FIG. NO. RL-1

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\SV_SVE_REPORTING\TACO\RESPONSE_TO_COMMENTS_AUG_2017\DELIVERABLE_TO_IEPA\FIGURES\FIG-RL-2_1Q14_&_1Q15_GROUNDWATER_ANALYTICAL_RESULTS_SUMMARY.DWG Last edited: NOV. 09, 17 @ 11:28 a.m. by: david.deguire

LEGEND

- GROUNDWATER MONITORING WELL SAMPLING LOCATION (NO ANALYTICAL EXCEEDANCES DURING 1Q14–1Q15)
- GROUNDWATER MONITORING WELL SAMPLING LOCATION (ANALYTICAL EXCEEDANCE DURING 1Q14–1Q15)
- GROUNDWATER MONITORING WELL OR PIEZOMETER LOCATION NOT SAMPLED
- GROUNDWATER CONCENTRATION DELINEATION BOUNDARY
- NO EXCEEDANCE
- DENOTES BOUNDARY EXTENDS INTO REFINERY

NOTES:

1. THIS FIGURE DENOTES THE APPROXIMATE AREA WHERE GROUNDWATER SAMPLE RESULTS EXCEED SCREENING CRITERIA IN THE VILLAGE OF ROXANA, BASED ON SAMPLE RESULTS FROM 1ST, 2ND, 3RD AND 4TH QUARTERS 2Ø14 AND 1ST QUARTER 2Ø15.
2. GROUNDWATER CLASS I SCREENING CRITERIA.

Analyte	Screening Criteria (mg/L)
Benzene	0.005
Ethylbenzene	0.7
MTBE	0.07
Naphthalene	0.14
Toluene	1.0
1,2,3-Trichlorobenzene	0.0056
1,3,5-Trimethylbenzene	0.07
2-Methylnaphthalene	0.028
Phenol	0.1
Xylenes (total)	10

3. GROUNDWATER SAMPLE ANALYTICAL IMFORMATION FOR LOCATIONS WITHIN THE WRR ARE NOT INCLUDED ON THIS MAP AS THIS IS INTENDED TO REPRESENT CONDITIONS WITHIN THE VILLAGE OF ROXANA.
4. J = THE TARGET ANALYTE DETECTED BELOW THE REPORTING LIMIT AND THE RESULT IS ESTIMATED.
5. MULTIPLE RESULTS (e.g., 1130/984) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
6. WELLS P–55 AND P–68 WERE NOT SAMPLED DURING REPRESENTED TIMEFRAME DUE TO THE PRESENCE OF LNAPL.

MW-9 MW-10 MW-28 MW-27 MW-11 MW-24 MW-22 MW-17 MW-18 MW-19 MW-16 MW-12 MW-20 MW-1 MW-2 MW-26 MW-4 MW-3 MW-25 MW-5 MW-7 MW-8 MW-23 MW-13 MW-6A MW-6B MW-6C MW-6D MW-14 MW-21

ROST-4-PZ(A) ROST-4-PZ(B) ROST-4-PZ(C) ROST-4-PZ(D) ROST-4-PZ(E) ROST-4-PZ(F) ROST-4-PZ(G) ROST-4-PZ ROST-3-MW ROST-7-PZ

P-54 P-55 P-60-S P-60-12 P-60-13 P-68 P-74 P-59 P-61 P-56 P-57 P-93A P-93B P-93C P-93D P-58 P-66 P-75 P-114 T-12 T-24 A–28 A–27

SECOND ST THIRD ST FOURTH ST FIFTH ST SIXTH ST SEVENTH ST EIGHTH ST

HIGHWAY 111 (S. CENTRAL AVE) CHAFFER ST 1ST STREET 2ND STREET

RAND AVENUE

NORTH PROPERTY WOOD RIVER REFINERY VILLAGE OF ROXANA MAIN PROPERTY WEST PROPERTY BP

Sample Location: MW-28	4Q14	1Q15
	Result (mg/L)	
Benzene	0.0081	0.0541

Sample Location: ROST-4-PZ (C	1Q14	2Q14	3Q14	4Q14	1Q15
		Result (mg/L)			
Benzene			0.0751	0.039	

Sample Location: ROST-3-MW	1Q14	2Q14	3Q14	4Q14	1Q15
		Result (mg/L)			
Benzene		0.0075			

Sample Location: MW-22	1Q14	2Q14	3Q14	4Q14	1Q15
		Result (mg/L)			
Benzene	1.47 / 1.58	1.7 / 1.56	1.76	1.62	1.51
Ethylbenzene	3.17 / 3.4	3.32 / 3.02	1.93	1.88	2.84
Naphthalene	0.287 / 0.262	0.334 / 0.28	0.282 J	0.202	0.339
Toluene	5.33 / 5.71	5.95 / 5.52	3.14	2.3	3.24
1,2,3-Trichlorobenzene					0.0129 J
1,3,5-Trimethylbenzene	0.298 / 0.398	0.384 / 0.35	0.262 J	0.207	0.373
Xylenes (total)		10.2 / 9.35			
2-Methylnaphthalene	0.0459 / 0.0416	0.0287 / 0.0322	0.0355	0.339	

Sample Location: MW-2	1Q14	2Q14	3Q14	4Q14	1Q15
		Result (mg/L)			
Benzene	0.0238	0.0214	0.0102 J	0.0132	0.0278
Ethylbenzene			0.955		
1,3,5-Trimethylbenzene	0.156	0.121	0.15 J	0.0901	0.102

Sample Location: MW-4	1Q14	2Q14	3Q14	4Q14	1Q15
		Result (mg/L)			
Benzene	2.01	0.553	1.880	0.815	0.0902

Sample Location: MW-25	4Q14	1Q15
	Result (mg/L)	
Benzene	501	62.8
MTBE		0.282
Toluene	2.65	
Phenol	0.173	0.107

Sample Location: MW-5	1Q14	2Q14	3Q14	4Q14	1Q15
		Result (mg/L)			
Benzene				0.028	

Sample Location: MW-7	1Q14	2Q14	3Q14	4Q14	1Q15
		Result (mg/L)			
Benzene	1490	1390	1290 / 1390	1130 / 984	821 / 799
Phenol				0.155 / 0.133	0.145 / 0.136

Sample Location: MW-8	1Q14	2Q14	3Q14	4Q14	1Q15
		Result (mg/L)			
Benzene	721 / 748	862 / 1060	280	486	764
MTBE	1.92 J / 1.99 J		0.392 J	1.19	0.906 J
1,3,5-Trimethylbenzene			0.0904 J		
Phenol	0.105 / 0.135	0.135 / 0.118	0.111	0.126	0.146

Sample Location: MW-6D	1Q14	2Q14	3Q14	4Q14	1Q15
		Result (mg/L)			
Benzene		0.0064			

SOURCE:
DEMONSTRATION TO VERIFY THE EXTENT OF GROUNDWATER CONTAMINATION HAS BEEN DELINEATED, ROXANA ILLINOIS, DATED APRIL 16, 2015.

N

Ø 200
SCALE FEET

SHELL OIL PRODUCTS US
INTERIM GROUNDWATER MONITORING PROGRAM
ROXANA, ILLINOIS

PROJECT NO. 21563720

AECOM

DRN. BY: djd April 2015
DSGN. BY: lr
CHKD. BY: bbb

1Q14 Through 1Q15 Groundwater Monitoring Well Analytical Exceedances and Delineation

FIG. NO. RL–2

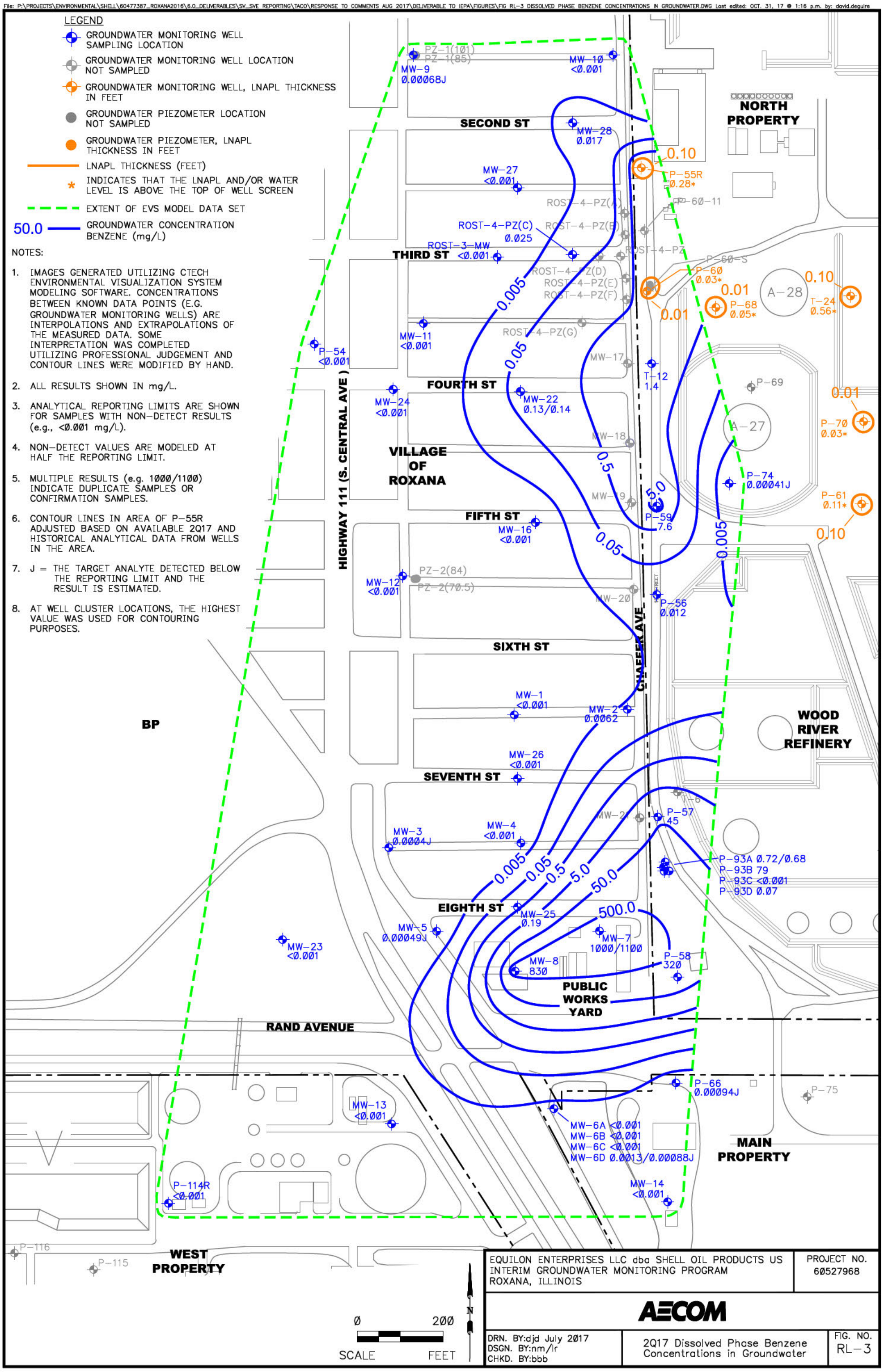
File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\SV_SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO IEPA\FIGURES\FIG RL-3 DISSOLVED PHASE BENZENE CONCENTRATIONS IN GROUNDWATER.DWG Last edited: OCT. 31, 17 @ 1:16 p.m. by: david.deguire

LEGEND

- GROUNDWATER MONITORING WELL SAMPLING LOCATION
- GROUNDWATER MONITORING WELL LOCATION NOT SAMPLED
- GROUNDWATER MONITORING WELL, LNAPL THICKNESS IN FEET
- GROUNDWATER PIEZOMETER LOCATION NOT SAMPLED
- GROUNDWATER PIEZOMETER, LNAPL THICKNESS IN FEET
- LNAPL THICKNESS (FEET)
- * INDICATES THAT THE LNAPL AND/OR WATER LEVEL IS ABOVE THE TOP OF WELL SCREEN
- EXTENT OF EVS MODEL DATA SET
- 50.0 GROUNDWATER CONCENTRATION BENZENE (mg/L)

NOTES:

1. IMAGES GENERATED UTILIZING CTECH ENVIRONMENTAL VISUALIZATION SYSTEM MODELING SOFTWARE. CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. GROUNDWATER MONITORING WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF THE MEASURED DATA. SOME INTERPRETATION WAS COMPLETED UTILIZING PROFESSIONAL JUDGEMENT AND CONTOUR LINES WERE MODIFIED BY HAND.
2. ALL RESULTS SHOWN IN mg/L.
3. ANALYTICAL REPORTING LIMITS ARE SHOWN FOR SAMPLES WITH NON-DETECT RESULTS (e.g., <0.001 mg/L).
4. NON-DETECT VALUES ARE MODELED AT HALF THE REPORTING LIMIT.
5. MULTIPLE RESULTS (e.g. 1000/1100) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
6. CONTOUR LINES IN AREA OF P-55R ADJUSTED BASED ON AVAILABLE 2Q17 AND HISTORICAL ANALYTICAL DATA FROM WELLS IN THE AREA.
7. J = THE TARGET ANALYTE DETECTED BELOW THE REPORTING LIMIT AND THE RESULT IS ESTIMATED.
8. AT WELL CLUSTER LOCATIONS, THE HIGHEST VALUE WAS USED FOR CONTOURING PURPOSES.



EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US
INTERIM GROUNDWATER MONITORING PROGRAM
ROXANA, ILLINOIS

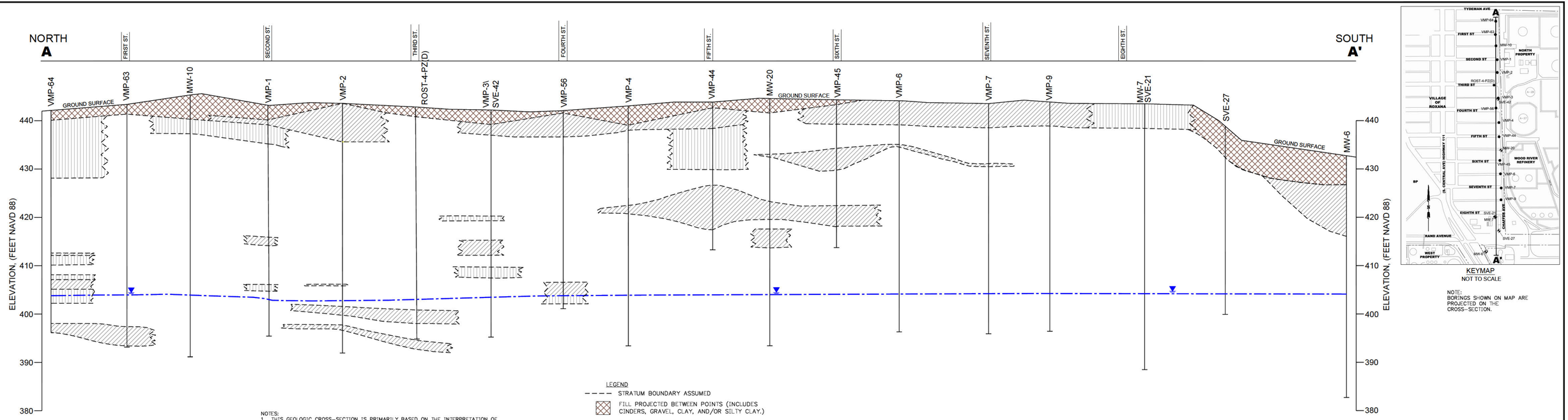
PROJECT NO. 60527968

AECOM

DRN. BY:djd July 2017
DSGN. BY:nm/lr
CHKD. BY:bbb

2Q17 Dissolved Phase Benzene Concentrations in Groundwater

FIG. NO. RL-3



KEYMAP
NOT TO SCALE

NOTE:
BORINGS SHOWN ON MAP ARE PROJECTED ON THE CROSS-SECTION.

NOTES:
1. THIS GEOLOGIC CROSS-SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA AND BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) COLLECTED BY AECOM SINCE 2006. LITHOLOGY WAS PROJECTED BETWEEN SUBSURFACE INVESTIGATION POINTS.
2. APPROXIMATE GROUNDWATER SURFACE ELEVATION IS BASED ON THE AVERAGE GROUNDWATER ELEVATION OBSERVED DURING QUARTERLY GAUGING EVENTS SINCE 4Q2010.

LEGEND
- STRATUM BOUNDARY ASSUMED
- FILL PROJECTED BETWEEN POINTS (INCLUDES CINDERS, GRAVEL, CLAY, AND/OR SILTY CLAY.)
- CLAY PROJECTED BETWEEN POINTS (INCLUDES SILTY CLAY AND SANDY CLAY)
- SILT PROJECTED BETWEEN POINTS (INCLUDES SANDY SILT AND CLAYEY SILT)
- SAND PROJECTED BETWEEN POINTS (INCLUDES SILTY SAND AND CLAYEY SAND)
- APPROXIMATE GROUNDWATER SURFACE ELEVATION

Ø 1Ø
VERTICAL SCALE FEET

Ø 1ØØ
APPROXIMATE HORIZONTAL SCALE FEET

N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US
TACO TIER 3 DEMONSTRATION
ROXANA, ILLINOIS

PROJECT NO. 60527968

AECOM

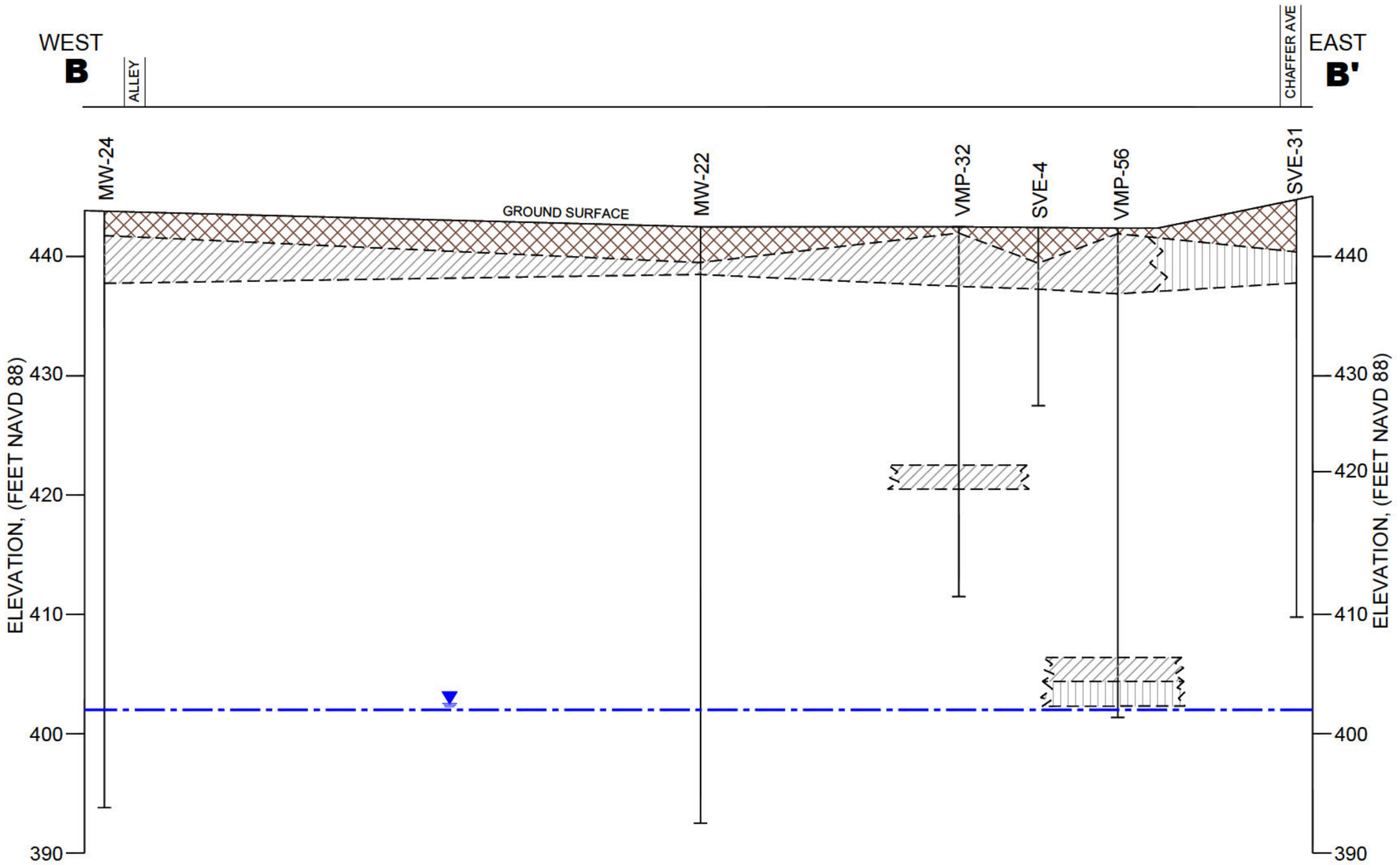
DRN. BY: djd August 2017
DSGN. BY: djd
CHKD. BY: ekf

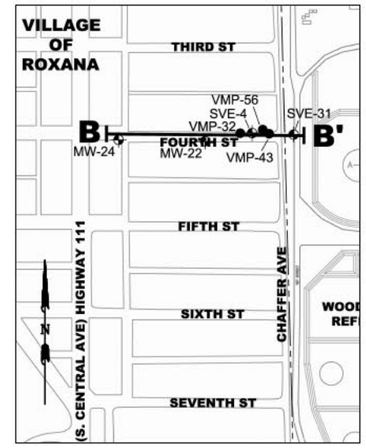
Geologic Cross Section A–A' (North to South)

FIG. NO. RL–4

WEST
B

EAST
B'





KEYMAP
NOT TO SCALE

NOTE:
BORINGS SHOWN ON MAP ARE PROJECTED ON THE CROSS-SECTION.

LEGEND

- STRATUM BOUNDARY ASSUMED
- FILL PROJECTED BETWEEN POINTS (INCLUDES CINDERS, GRAVEL, CLAY, AND/OR SILTY CLAY.)
- CLAY PROJECTED BETWEEN POINTS (INCLUDES SILTY CLAY AND SANDY CLAY)
- SILT PROJECTED BETWEEN POINTS (INCLUDES SANDY SILT AND CLAYEY SILT)
- SAND PROJECTED BETWEEN POINTS (INCLUDES SILTY SAND AND CLAYEY SAND)
- APPROXIMATE GROUNDWATER SURFACE ELEVATION

NOTES:
1. THIS GEOLOGIC CROSS-SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA AND BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) COLLECTED BY AECOM SINCE 2006. LITHOLOGY WAS PROJECTED BETWEEN SUBSURFACE INVESTIGATION POINTS.
2. APPROXIMATE GROUNDWATER SURFACE ELEVATION IS BASED ON THE AVERAGE GROUNDWATER ELEVATION OBSERVED DURING QUARTERLY GAUGING EVENTS SINCE 4Q2010.

0 10
VERTICAL SCALE FEET

0 50
HORIZONTAL SCALE FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS		PROJECT NO. 60527968
AECOM		
DRN. BY: djd August 2017 DSGN. BY: djd CHKD. BY: ekf	Geologic Cross Section B-B' (West to East)	FIG. NO. RL-5

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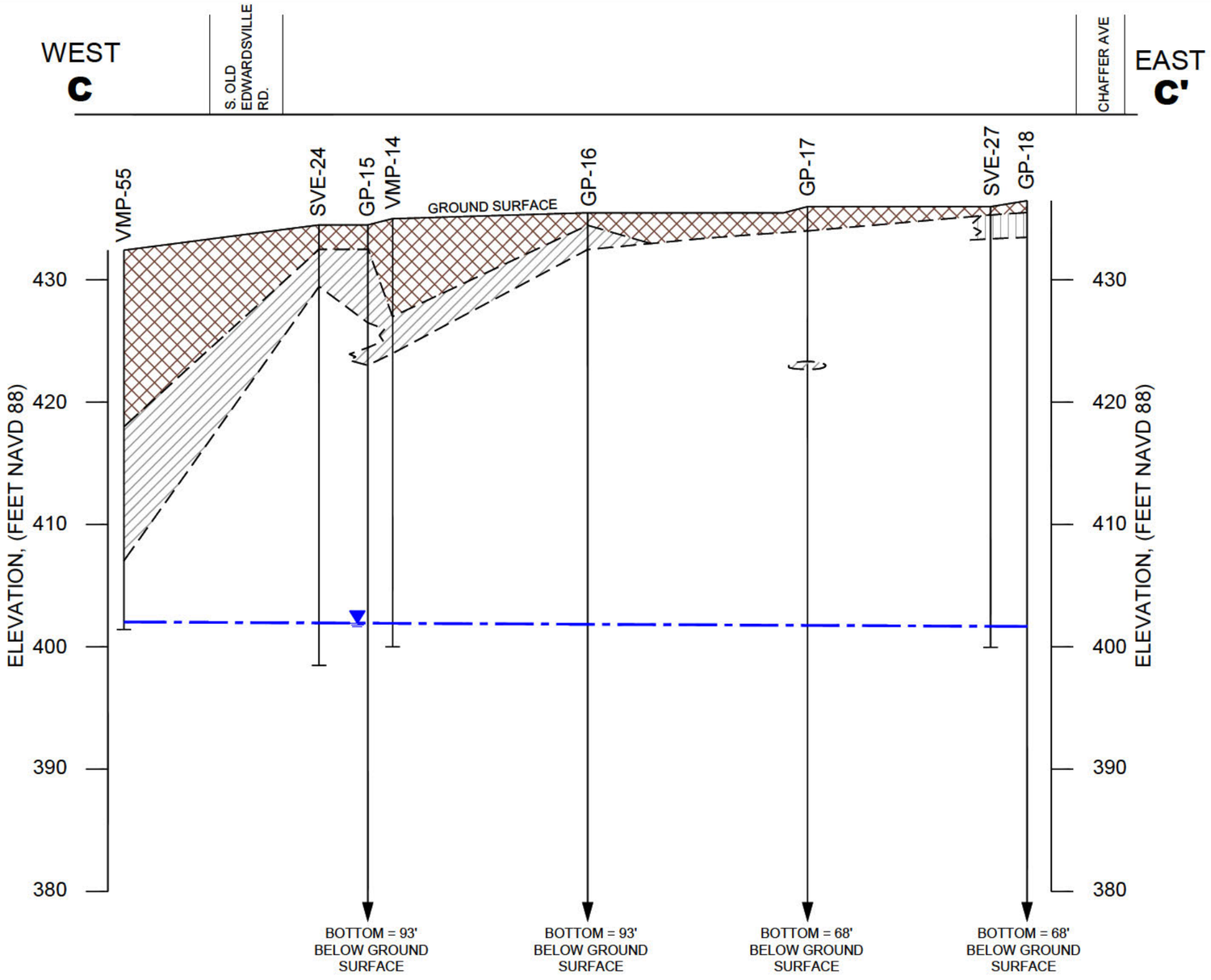
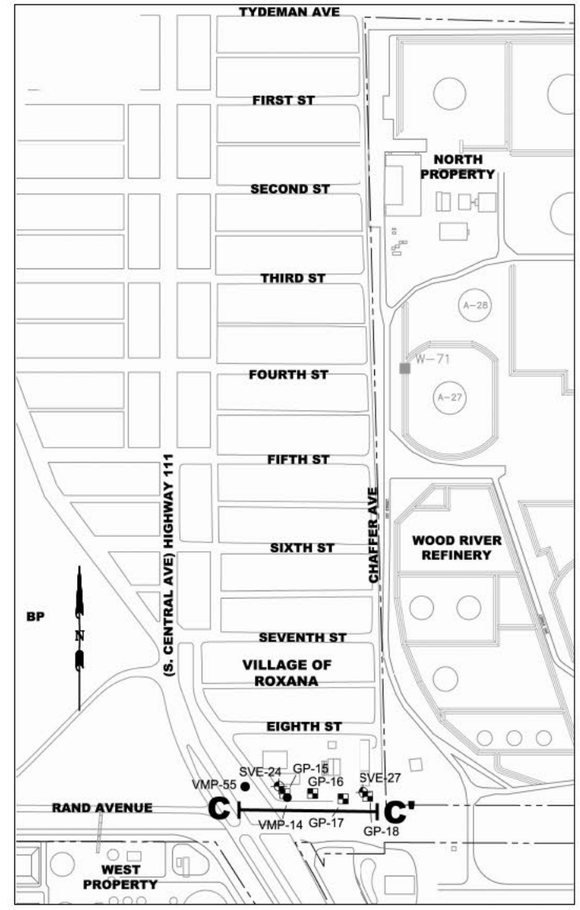




KEYMAP
NOT TO SCALE

NOTE:
BORINGS SHOWN ON MAP ARE PROJECTED ON THE CROSS-SECTION.

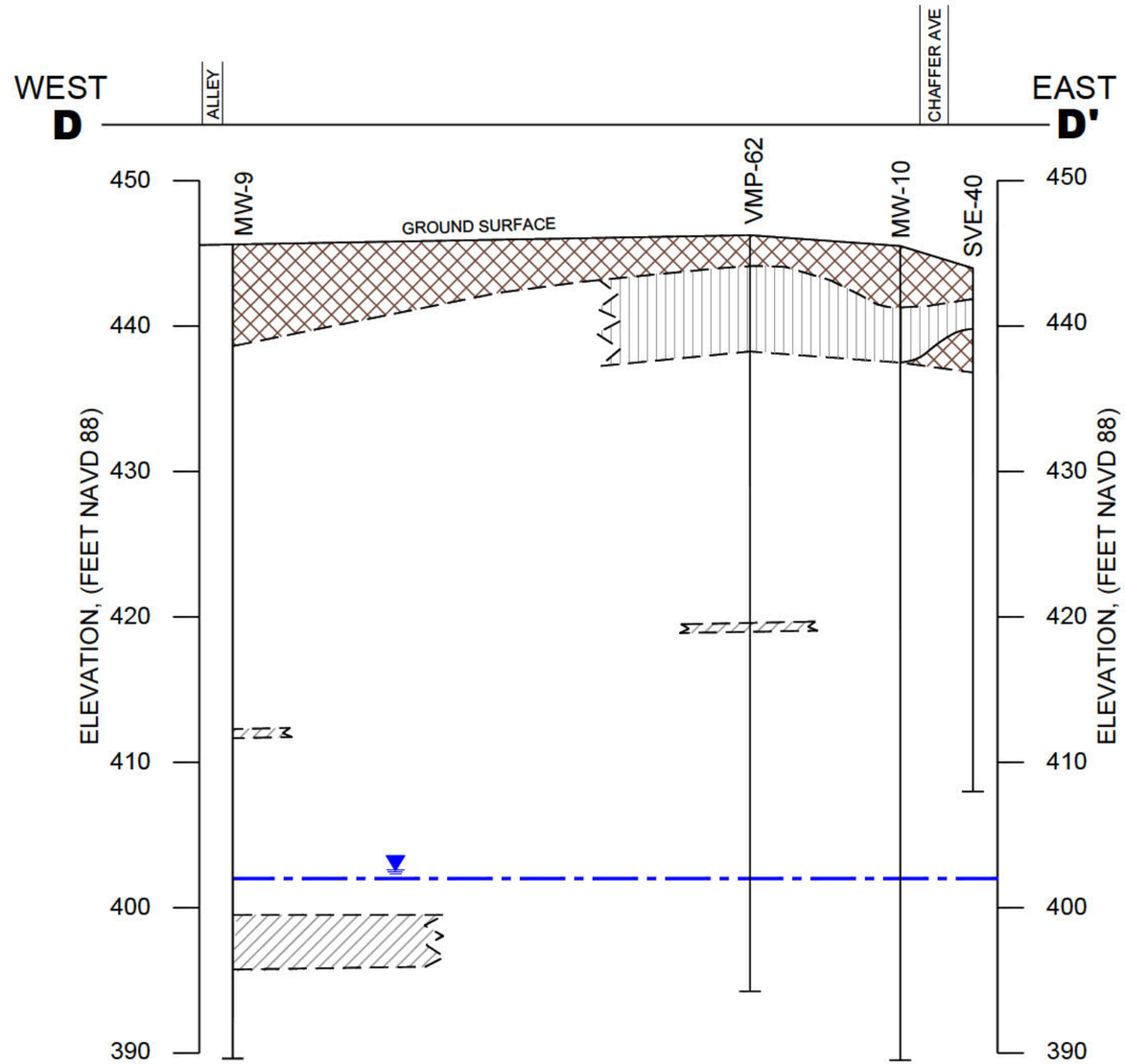
NOTES:
1. THIS GEOLOGIC CROSS-SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA AND BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) COLLECTED BY AECOM SINCE 2006. LITHOLOGY WAS PROJECTED BETWEEN SUBSURFACE INVESTIGATION POINTS.
2. APPROXIMATE GROUNDWATER SURFACE ELEVATION IS BASED ON THE AVERAGE GROUNDWATER ELEVATION OBSERVED DURING QUARTERLY GAUGING EVENTS SINCE 4Q2010.

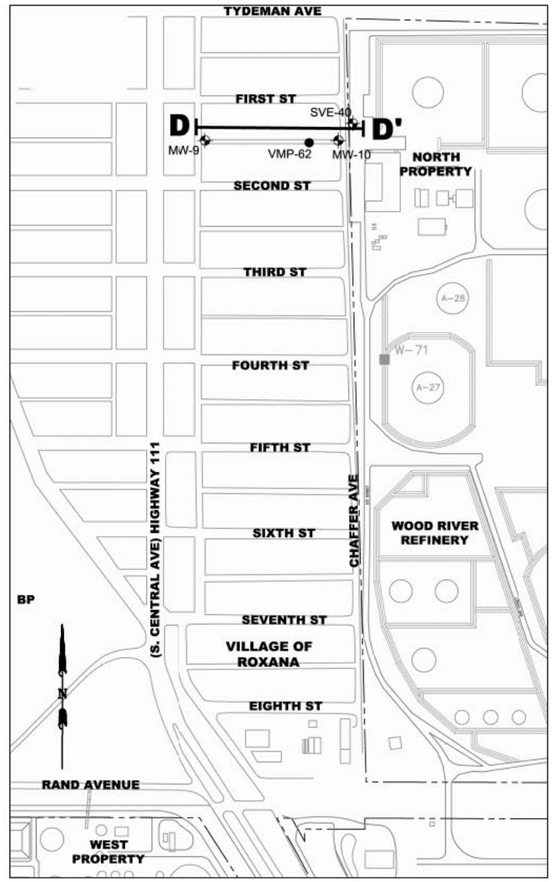
LEGEND
- STRATUM BOUNDARY ASSUMED
- FILL PROJECTED BETWEEN POINTS (INCLUDES CINDERS, GRAVEL, CLAY, AND/OR SILTY CLAY.)
- CLAY PROJECTED BETWEEN POINTS (INCLUDES SILTY CLAY AND SANDY CLAY)
- SILT PROJECTED BETWEEN POINTS (INCLUDES SANDY SILT AND CLAYEY SILT)
- SAND PROJECTED BETWEEN POINTS (INCLUDES SILTY SAND AND CLAYEY SAND)
- APPROXIMATE GROUNDWATER SURFACE ELEVATION

VERTICAL SCALE: 0 10 FEET
HORIZONTAL SCALE: 0 50 FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS	PROJECT NO. 60527968
AECOM	
DRN. BY: djd August 2017 DSGN. BY: djd CHKD. BY: ekf	Geologic Cross Section C–C' (West to East)
	FIG. NO. RL–6

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477367_ROXANA2016\6.0_DELIVERABLES\SV_SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG. 2017\DELIVERABLE TO EPA\FIGURES\RL-6 GEOLOGY CROSS SECTION C-C' (W-E).DWG Last edited: NOV. 17, 17 @ 1:22 p.m. by: david.d'aguire





KEYMAP
NOT TO SCALE

NOTE:
BORINGS SHOWN ON MAP ARE PROJECTED ON THE CROSS-SECTION.

LEGEND

- STRATUM BOUNDARY ESTIMATED
- FILL PROJECTED BETWEEN POINTS (INCLUDES CINDERS, GRAVEL, CLAY, AND/OR SILTY CLAY.)
- CLAY PROJECTED BETWEEN POINTS (INCLUDES SILTY CLAY AND SANDY CLAY)
- SILT PROJECTED BETWEEN POINTS (INCLUDES SANDY SILT AND CLAYEY SILT)
- SAND PROJECTED BETWEEN POINTS (INCLUDES SILTY SAND AND CLAYEY SAND)
- APPROXIMATE GROUNDWATER SURFACE ELEVATION

NOTES:
1. THIS GEOLOGIC CROSS-SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA AND BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) COLLECTED BY AECOM SINCE 2006. LITHOLOGY WAS PROJECTED BETWEEN SUBSURFACE INVESTIGATION POINTS.
2. APPROXIMATE GROUNDWATER SURFACE ELEVATION IS BASED ON THE AVERAGE GROUNDWATER ELEVATION OBSERVED DURING QUARTERLY GAUGING EVENTS SINCE 4Q2010.

0 10
VERTICAL SCALE FEET

0 100
HORIZONTAL SCALE FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS	PROJECT NO. 60527968
AECOM	
DRN. BY: djd August 2017 DSGN. BY: djd CHKD. BY: ekf	Geologic Cross Section D-D' (West to East)
	FIG. NO. RL-7

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\SV_SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO IEPA\FIGURES\FIG-RL-7 GEOLOGY CROSS SECTION D-D (W-E).DWG Last edited: NOV. 17, 17 @ 1:23 p.m. by: david.dinguire

NORTH
E

SOUTH
E'

SECOND ST. | THIRD ST. | FOURTH ST. | FIFTH ST. | SIXTH ST. | SEVENTH ST. | EIGHTH ST.

MW-9 | GP-11 | MW-11 | MW-24 | GP-13 | MW-12 | MW-3 | MW-5 | VMP-55

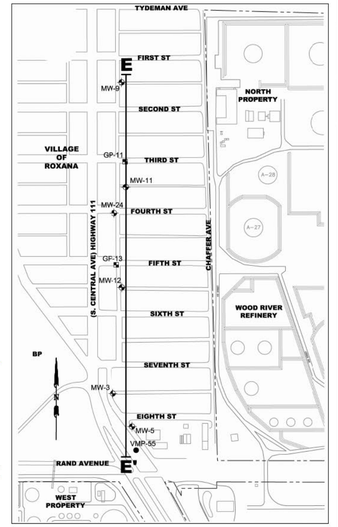
GROUND SURFACE

ELEVATION, (FEET NAVD 88)

450
440
430
420
410
400
390
380

NOTES:
1. THIS GEOLOGIC CROSS-SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA AND BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) COLLECTED BY AECOM SINCE 2006. LITHOLOGY WAS PROJECTED BETWEEN SUBSURFACE INVESTIGATION POINTS.
2. APPROXIMATE GROUNDWATER SURFACE ELEVATION IS BASED ON THE AVERAGE GROUNDWATER ELEVATION OBSERVED DURING QUARTERLY GAUGING EVENTS SINCE 4Q2010.

LEGEND
- STRATUM BOUNDARY ASSUMED
- FILL PROJECTED BETWEEN POINTS (INCLUDES CINDERS, GRAVEL, CLAY, AND/OR SILTY CLAY.)
- CLAY PROJECTED BETWEEN POINTS (INCLUDES SILTY CLAY AND SANDY CLAY)
- SILT PROJECTED BETWEEN POINTS (INCLUDES SILTY SILT AND CLAYEY SILT)
- SAND PROJECTED BETWEEN POINTS (INCLUDES SILTY SAND AND CLAYEY SAND)
- APPROXIMATE GROUNDWATER SURFACE ELEVATION



KEYMAP
NOT TO SCALE

NOTE:
BORINGS SHOWN ON MAP ARE PROJECTED ON THE CROSS-SECTION.

VERTICAL SCALE: 0 — 10 FEET

APPROXIMATE HORIZONTAL SCALE: 0 — 100 FEET

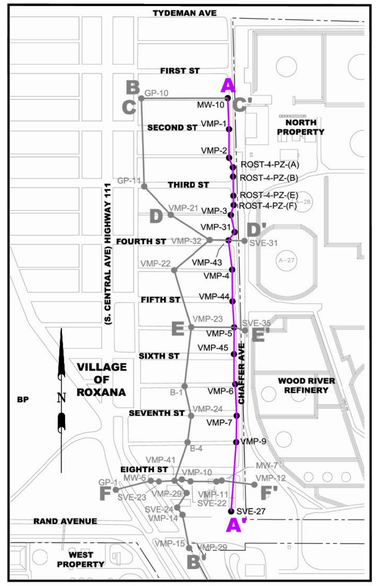
N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS		PROJECT NO. 60527968
AECOM		
DRN. BY: djd August 2017 DSGN. BY: djd CHKD. BY: ekf	Geologic Cross Section E-E' (North to South)	FIG. NO. RL-8

I:\ENVPROJECTS\ENVIRONMENTAL SHELL\ROXANA_ROXANA\GIS_SCHEMATICS\CSA_JUNE 2017\RESPONSE TO COMMENTS AUG 2017\RESPONSE TO COMMENTS AUG 2017\RL\ROXANA_CSA_JUNE 2017_RESPONSE TO COMMENTS AUG 2017_RL.MXD djd 8/29/2017 11:17:14 AM

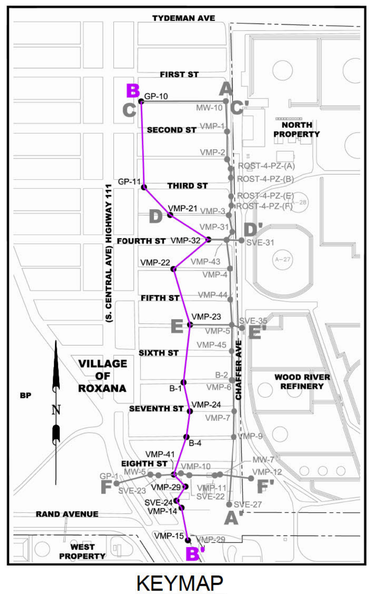
PRE-SVE SYSTEM: PID (ppm) IN SOIL

A-A' CROSS SECTION LOCATION

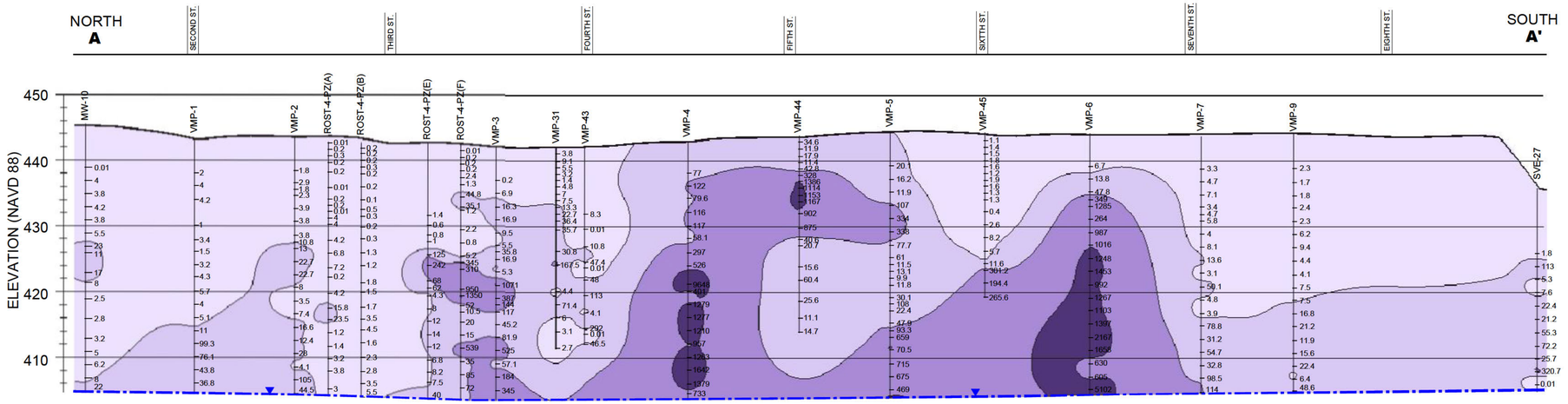


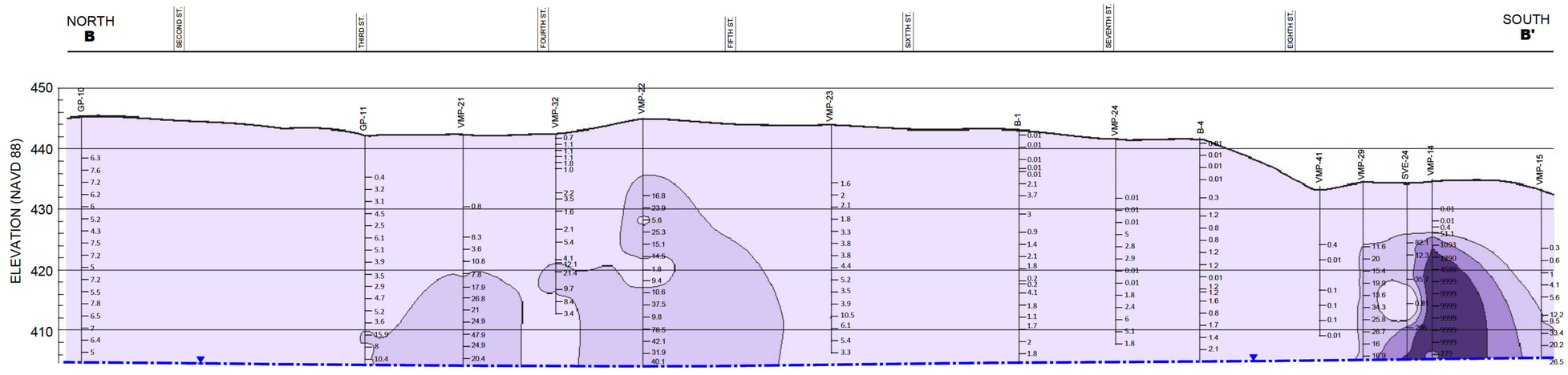
KEYMAP
NOT TO SCALE

B-B' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE





LEGEND

APPROXIMATE GROUNDWATER SURFACE ELEVATION

● LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION

3.2
3.1
4.5
VALUES DEPICT PID SAMPLE HEADSPACE READINGS (ppm)

PID CONCENTRATION (ppm)

15,000 * | 1,000 | 100 | 10 | <1

* MAXIMUM VALUE OBSERVED

NOTES:
1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. PID DATA USED TO GENERATE PID IMAGES WERE COLLECTED BETWEEN 2006 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.

VERTICAL SCALE: 0 10 20 FEET

APPROXIMATE HORIZONTAL SCALE: 0 100 200 FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US
TACO TIER 3 DEMONSTRATION
ROXANA, ILLINOIS

PROJECT NO. 60527968

AECOM

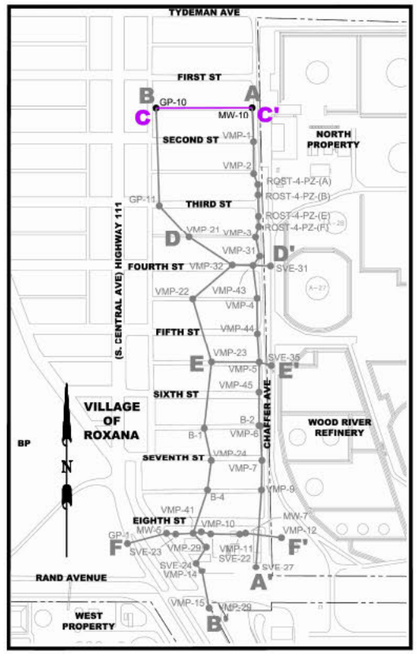
DRN. BY: djd October 2017
DSGN. BY: djd
CHKD. BY: ncm

PID Concentration in Soil Pre-SVE
Cross Sections A-A' AND B-B'
(North to South)

FIG. NO. RL-9

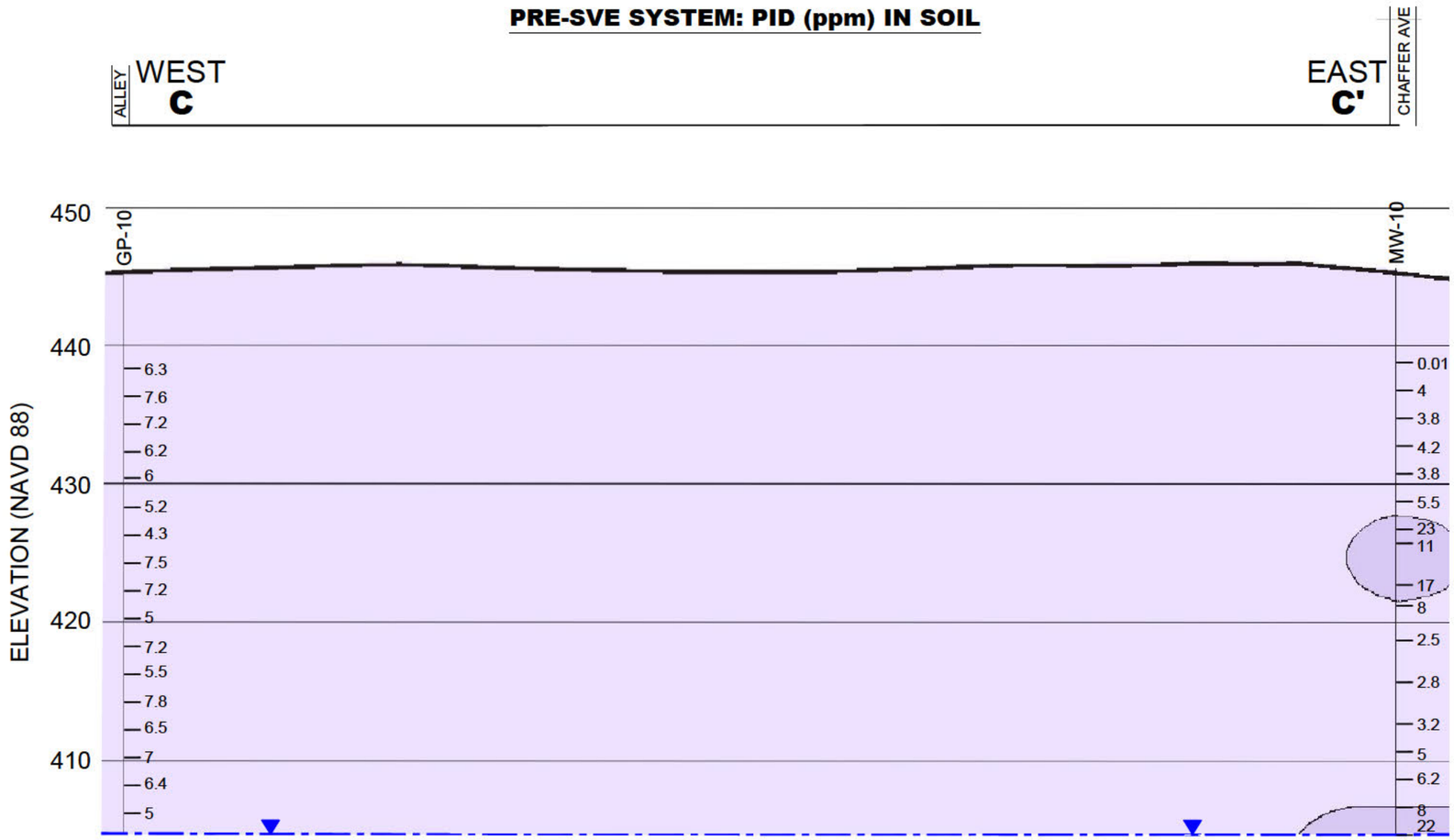
File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\8.0_DELIVERABLES\SV_SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO IEPA\FIGURES\EVS\FENCE DIAGRAM VERSION\PID X SECTIONS (REVISED).DWG Last edited: NOV. 17, 17 @ 2:05 p.m. by: david deguire

C-C' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE

PRE-SVE SYSTEM: PID (ppm) IN SOIL

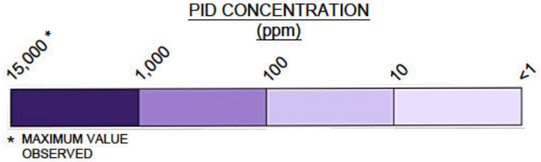


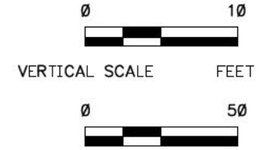
LEGEND

- APPROXIMATE GROUNDWATER SURFACE ELEVATION
- LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION
- 3.2 / 3.1 / 4.5 VALUES DEPICT PID SAMPLE HEADSPACE READINGS (ppm)

NOTES:
1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. PID DATA USED TO GENERATE PID IMAGES WERE COLLECTED BETWEEN 2006 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.

PID CONCENTRATION (ppm)

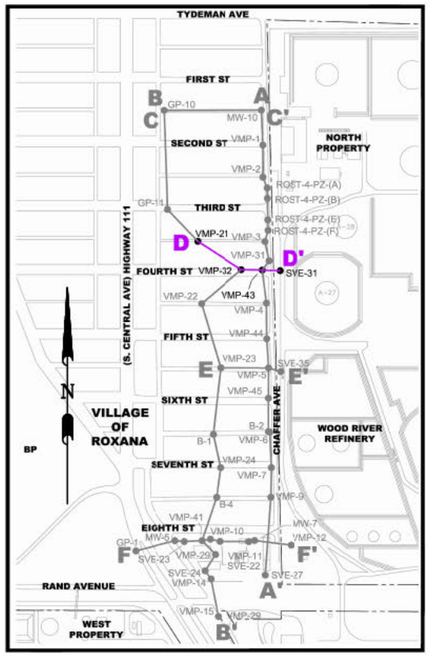




EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS		PROJECT NO. 60527968
AECOM		
DRN. BY: djd October 2017 DSGN. BY: djd CHKD. BY: ncm	PID Concentration in Soil Pre-SVE Cross Section C-C' (West to East)	FIG. NO. RL-10

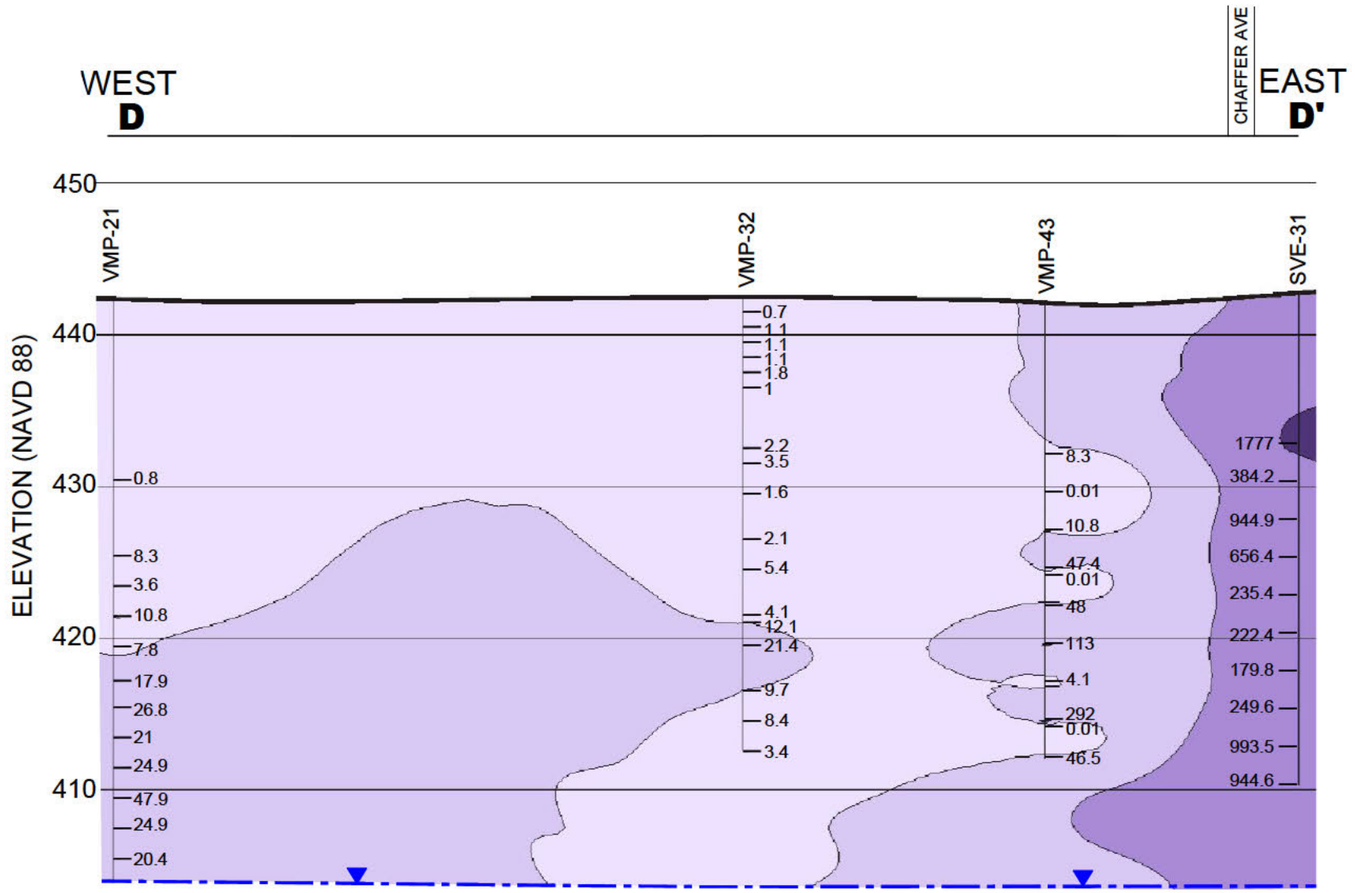
File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477367_ROXANA#3816\6.0_DELIVERABLES\SV_SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO IEPA\FIGURES\EVS\VENCE DIAGRAM VERSION\PID X SECTIONS (REVISED).DWG Last edited: NOV. 17, 17 @ 2:09 p.m. by: david.deguire

D-D' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE

PRE-SVE SYSTEM: PID (ppm) IN SOIL

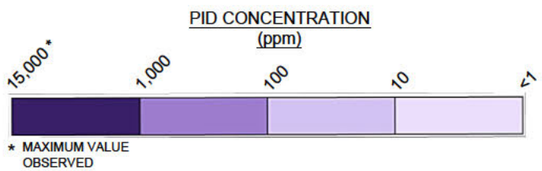


LEGEND

- APPROXIMATE GROUNDWATER SURFACE ELEVATION
- LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION
- 3.2, 3.1, 4.5 — VALUES DEPICT PID SAMPLE HEADSPACE READINGS (ppm)

NOTES:
1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. PID DATA USED TO GENERATE PID IMAGES WERE COLLECTED BETWEEN 2006 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.

PID CONCENTRATION (ppm)



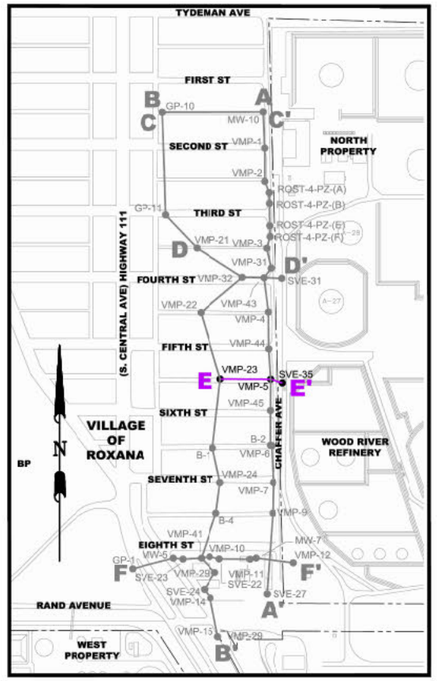
VERTICAL SCALE: 0 — 10 FEET

APPROXIMATE HORIZONTAL SCALE: 0 — 100 FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS		PROJECT NO. 60527968
AECOM		
DRN. BY: djd October 2017 DSGN. BY: djd CHKD. BY: ncm	PID Concentration in Soil Pre-SVE Cross Section D-D' (West to East)	FIG. NO. RL-11

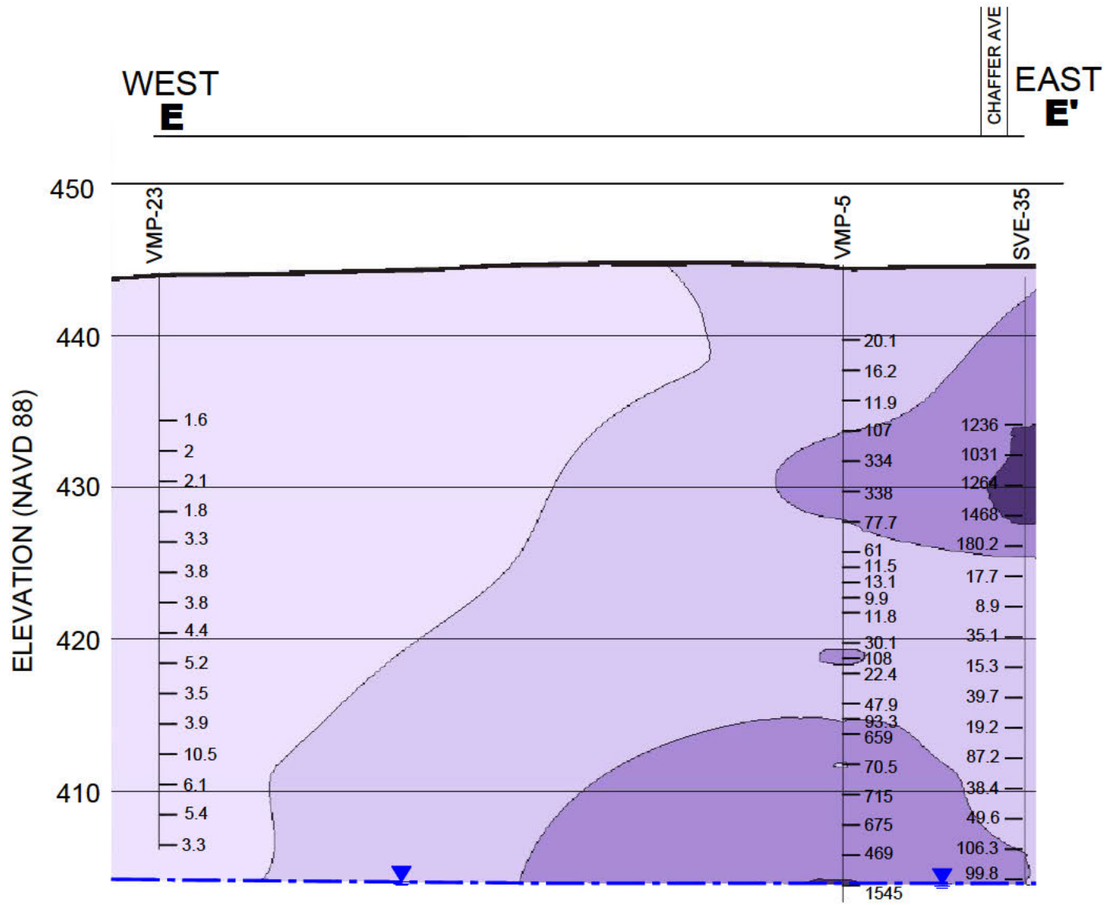
File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477367_ROXANA2016\6.0_DELIVERABLES\SVI_SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO IEPA\FIGURES\EVS\EVS FENCE DIAGRAM VERSION\PID X SECTIONS (REVISED).DWG Last edited: NOV. 17, 17 @ 2:58 p.m. by: david.deguire

E-E' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE

PRE-SVE SYSTEM: PID (ppm) IN SOIL

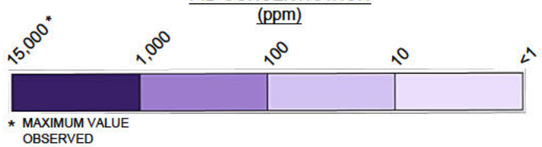


LEGEND

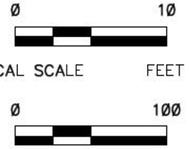
- APPROXIMATE GROUNDWATER SURFACE ELEVATION
- LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION
- 3.2 / 3.1 / 4.5 VALUES DEPICT PID SAMPLE HEADSPACE READINGS (ppm)

NOTES:
1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. PID DATA USED TO GENERATE PID IMAGES WERE COLLECTED BETWEEN 2006 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.

PID CONCENTRATION (ppm)



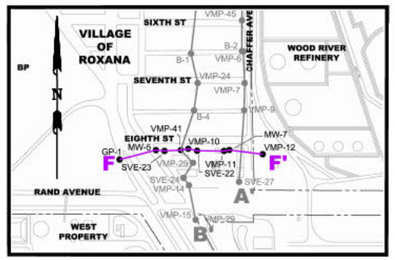
* MAXIMUM VALUE OBSERVED



EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS		PROJECT NO. 60527968
AECOM		
DRN. BY: djd October 2017 DSGN. BY: djd CHKD. BY: ncm	PID Concentration in Soil Pre-SVE Cross Section E-E' (West to East)	FIG. NO. RL-12

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA\RVS & DELIVERABLES\SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO JEP\FIGURES\EVS\EVS FENCE DIAGRAM VERSION\PID X SECTIONS (REVISED).DWG Last edited: NOV. 17, 17 @ 2:59 p.m. by: david.deguire

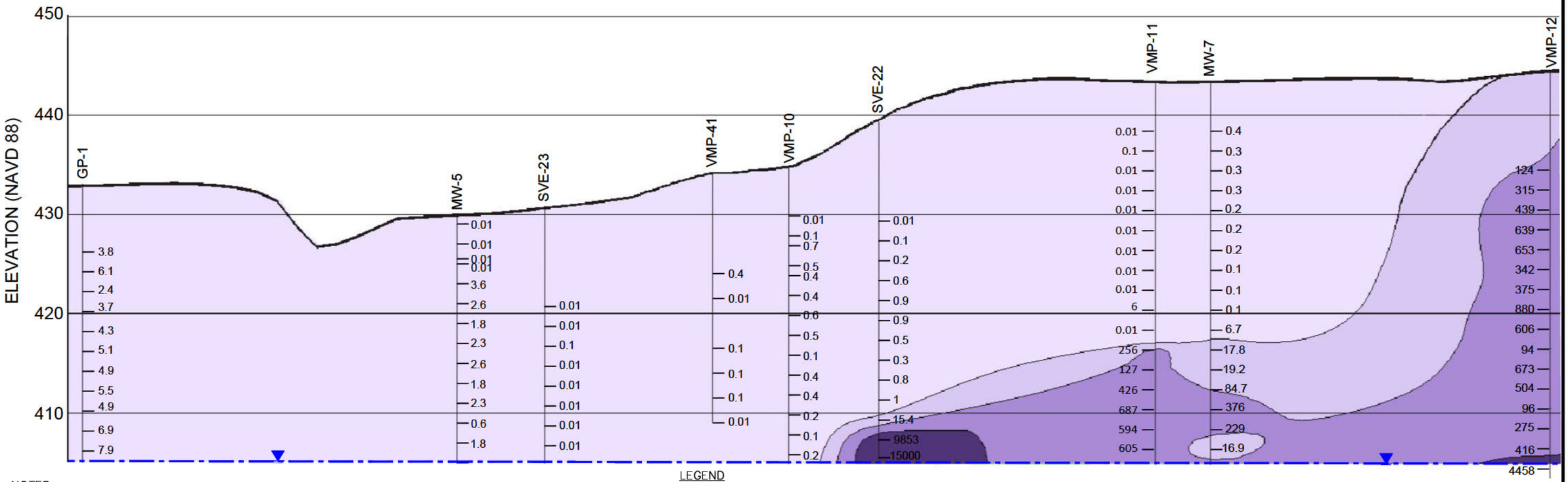
F-F' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE

PRE-SVE SYSTEM: PID (ppm) IN SOIL

WEST **F** | (S. CENTRAL AVE) HIGHWAY 111 | S. OLD EDWARDSVILLE RD. | PUBLIC WORKS | CHAFFER AVE | EAST **F'**



NOTES:
1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. PID DATA USED TO GENERATE PID IMAGES WERE COLLECTED BETWEEN 2006 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.

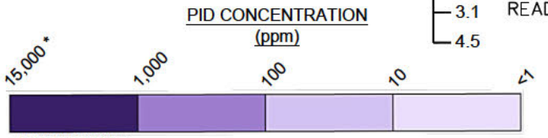
LEGEND

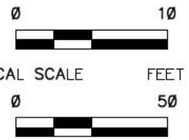
APPROXIMATE GROUNDWATER SURFACE ELEVATION

LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION

3.2
3.1
4.5
VALUES DEPICT PID SAMPLE HEADSPACE READINGS (ppm)

PID CONCENTRATION (ppm)



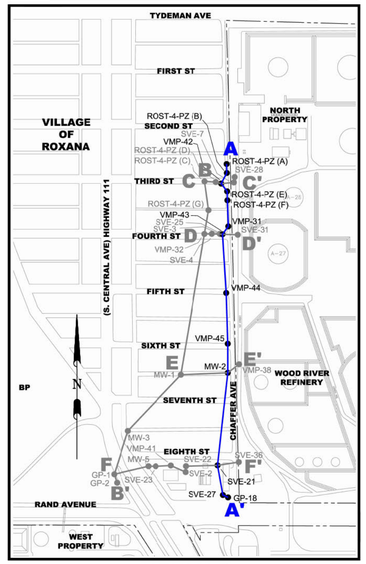


EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS	PROJECT NO. 60527968
AECOM	
DRN. BY: djd October 2017 DSGN. BY: djd CHKD. BY: ncm	PID Concentration in Soil Pre-SVE Cross Section F-F' (West to East)
	FIG. NO. RL-13

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\SVI_SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO JEFA\FIGURES\EVS\EVSFENCE DIAGRAM VERSION\PID X SECTIONS (REVISED).DWG Last edited: NOV. 17, 17 @ 2:18 p.m. by: david.deguire

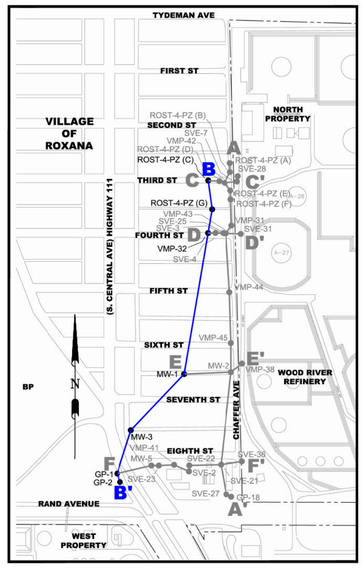
PRE-SVE SYSTEM: BTEX CONCENTRATION (mg/kg) IN SOIL

A-A' CROSS SECTION LOCATION

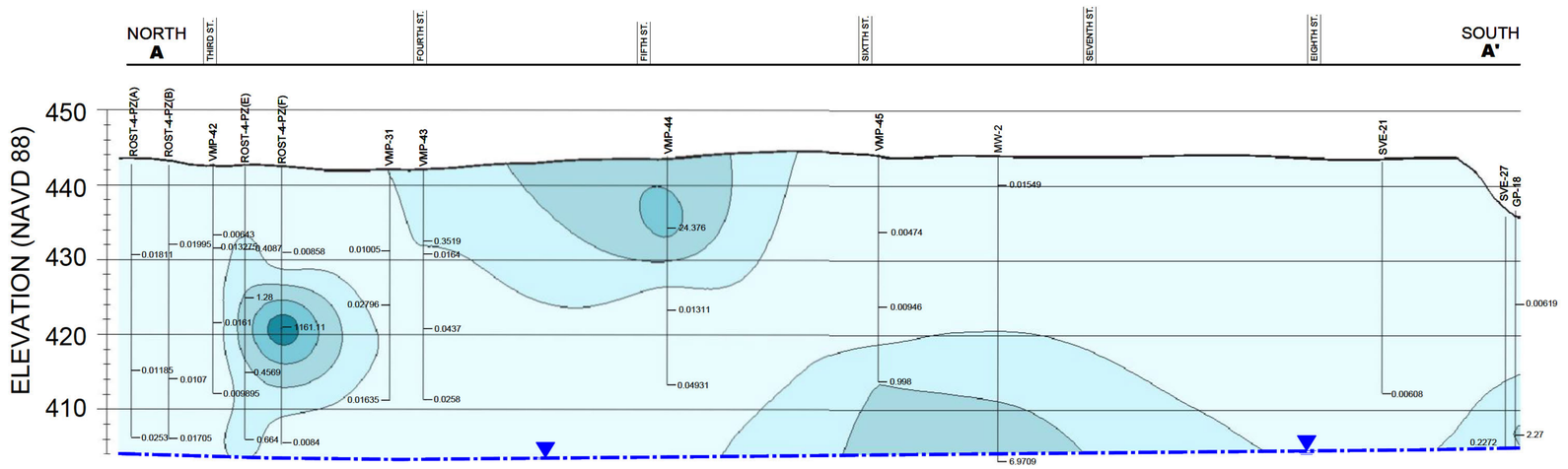


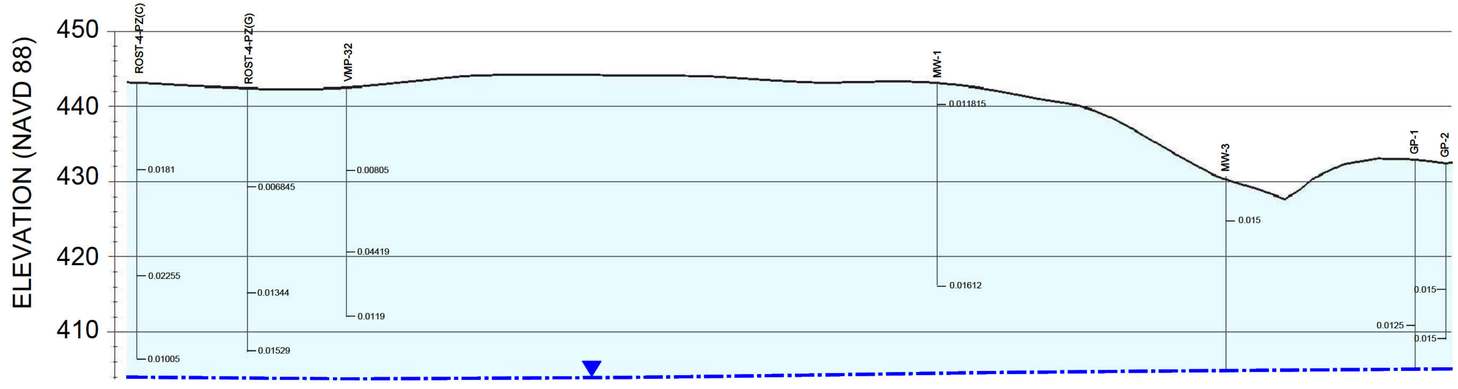
KEYMAP
NOT TO SCALE

B-B' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE





NOTES:
1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. BTEX DATA USED TO GENERATE BTEX IMAGES WERE COLLECTED BETWEEN 2008 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.

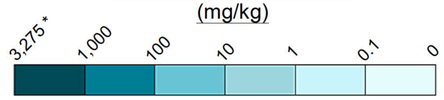
LEGEND

APPROXIMATE GROUNDWATER SURFACE ELEVATION

LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION

0.181
0.02255
VALUES DEPICT TOTAL BTEX CONCENTRATION (mg/kg) IN SOIL SAMPLES COLLECTED FOR LABORATORY ANALYSIS

BTEX CONCENTRATION (mg/kg)



* MAXIMUM VALUE OBSERVED

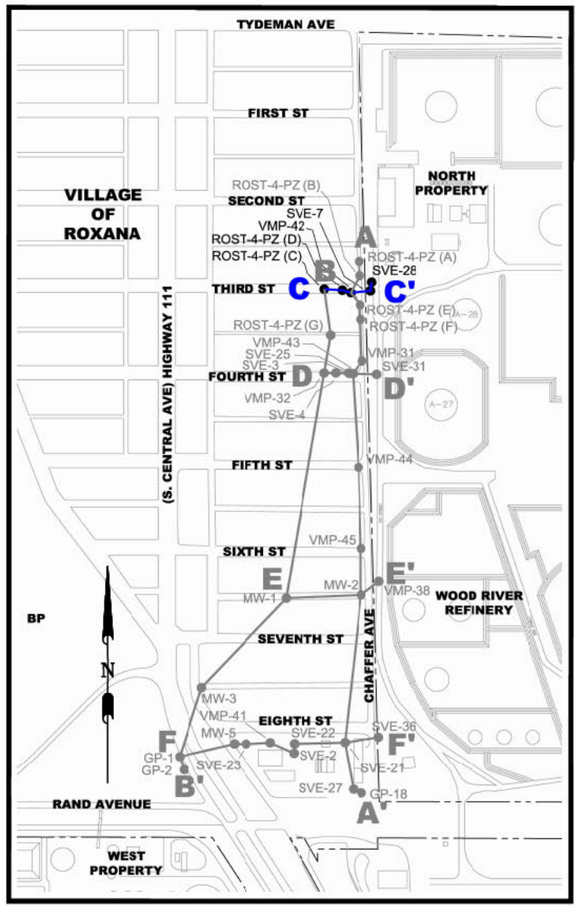
VERTICAL SCALE 0 10 20 FEET

APPROXIMATE HORIZONTAL SCALE 0 100 200 FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS		PROJECT NO. 60527968
AECOM		
DRN. BY: djd October 2017 DSGN. BY: djd CHKD. BY: ncm	BTEX Concentration in Soil Pre-SVE Cross Sections A-A' and B-B' (North to South)	FIG. NO. RL-14

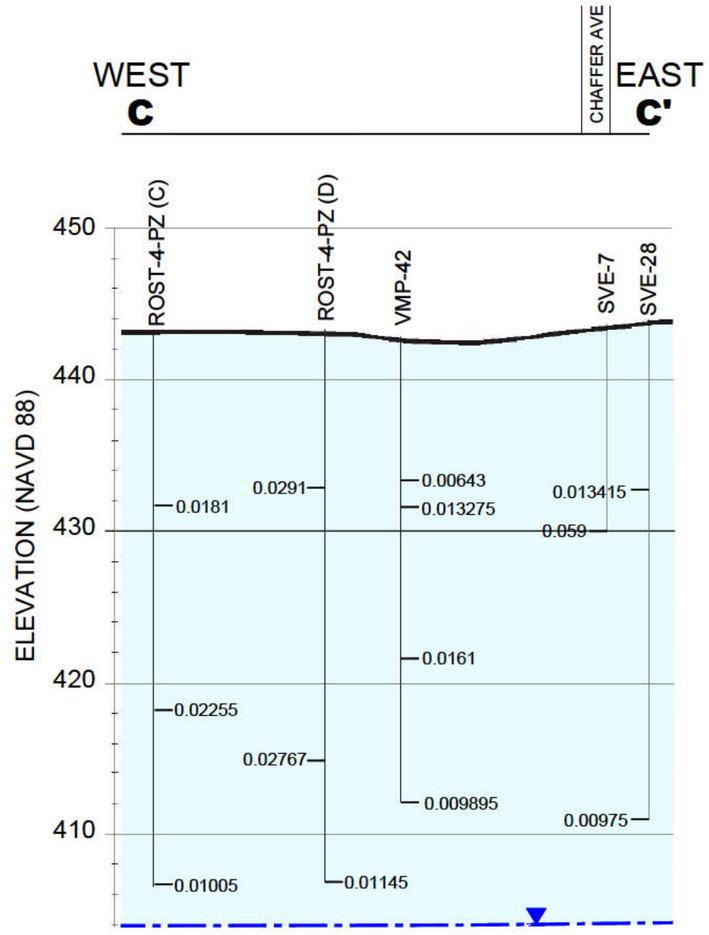
File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477397_ROXANA2016\6.0_DELIVERABLES\SVI_SVE REPORTING\TACO RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO IEPA\FIGURES\EVS\FENCE DIAGRAM VERSION\BTEX X SECTIONS (REVISED).DWG Last edited: NOV 17, 17 @ 2:12 p.m. by: david.depuhe

C-C' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE

PRE-SVE SYSTEM: BTEX CONCENTRATION (mg/kg) IN SOIL



LEGEND

- APPROXIMATE GROUNDWATER SURFACE ELEVATION
- LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION
- 0.181 / 0.02255 — VALUES DEPICT TOTAL BTEX CONCENTRATION (mg/kg) IN SOIL SAMPLES COLLECTED FOR LABORATORY ANALYSIS

NOTES:
1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. BTEX DATA USED TO GENERATE BTEX IMAGES WERE COLLECTED BETWEEN 2008 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.

BTEX CONCENTRATION (mg/kg)

3,275* | 1,000 | 100 | 10 | 1 | 0.1 | 0

* MAXIMUM VALUE OBSERVED

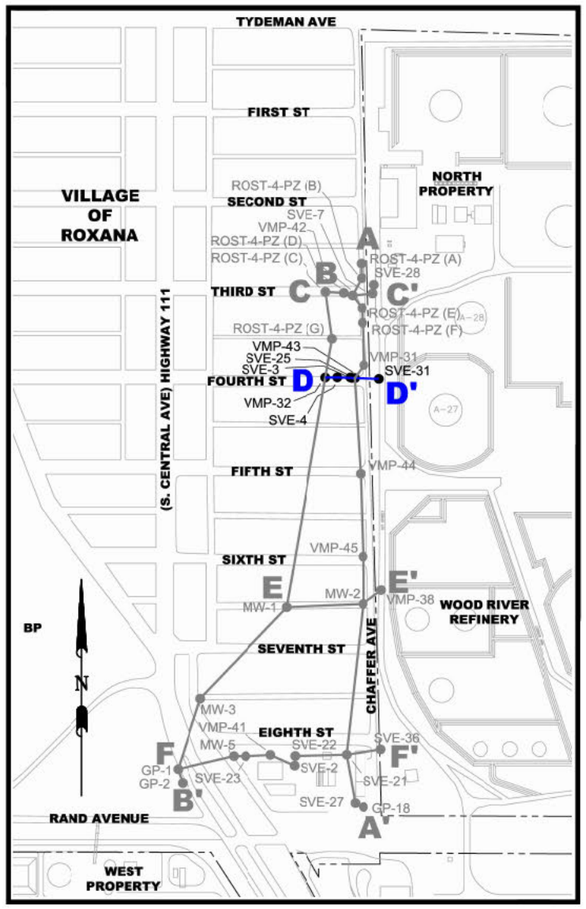
VERTICAL SCALE 0 10 FEET

APPROXIMATE HORIZONTAL SCALE 0 50 FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS		PROJECT NO. 60527968
AECOM		
DRN. BY: djd October 2017 DSGN. BY: djd CHKD. BY: ncm	BTEX Concentration in Soil Pre-SVE Cross Section C-C' (West to East)	FIG. NO. RL-15

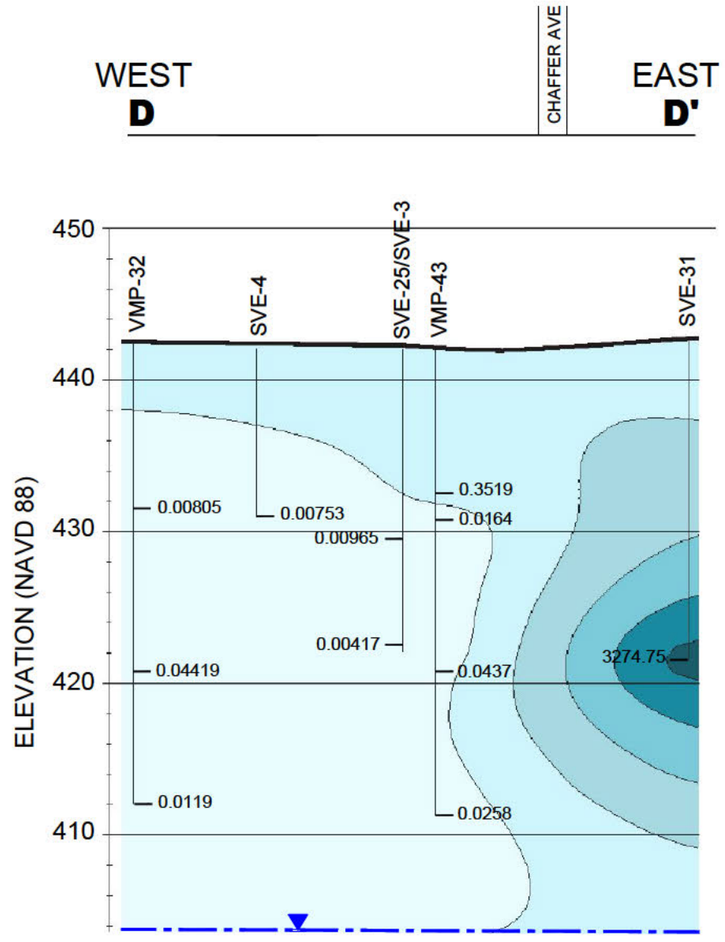
File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477397_ROXANA2016\6.0_DELIVERABLES\SVI-SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO JEPA\FIGURES\CrSVFENCE DIAGRAM VERSION\BTEX X SECTIONS (REVISED).DWG Last edited: NOV. 17, 17 @ 3:00 p.m. by: david.dejulio

D-D' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE

PRE-SVE SYSTEM: BTEX CONCENTRATION (mg/kg) IN SOIL



LEGEND

- APPROXIMATE GROUNDWATER SURFACE ELEVATION
- LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION
- 0.181 / 0.02255 — VALUES DEPICT TOTAL BTEX CONCENTRATION (mg/kg) IN SOIL SAMPLES COLLECTED FOR LABORATORY ANALYSIS

BTEX CONCENTRATION (mg/kg)

3,275* | 1,000 | 100 | 10 | 1 | 0.1 | 0

* MAXIMUM VALUE OBSERVED

VERTICAL SCALE 0 10 FEET

APPROXIMATE HORIZONTAL SCALE 0 50 FEET

NOTES:
1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. BTEX DATA USED TO GENERATE BTEX IMAGES WERE COLLECTED BETWEEN 2008 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US
TACO TIER 3 DEMONSTRATION
ROXANA, ILLINOIS

PROJECT NO. 60527968

AECOM

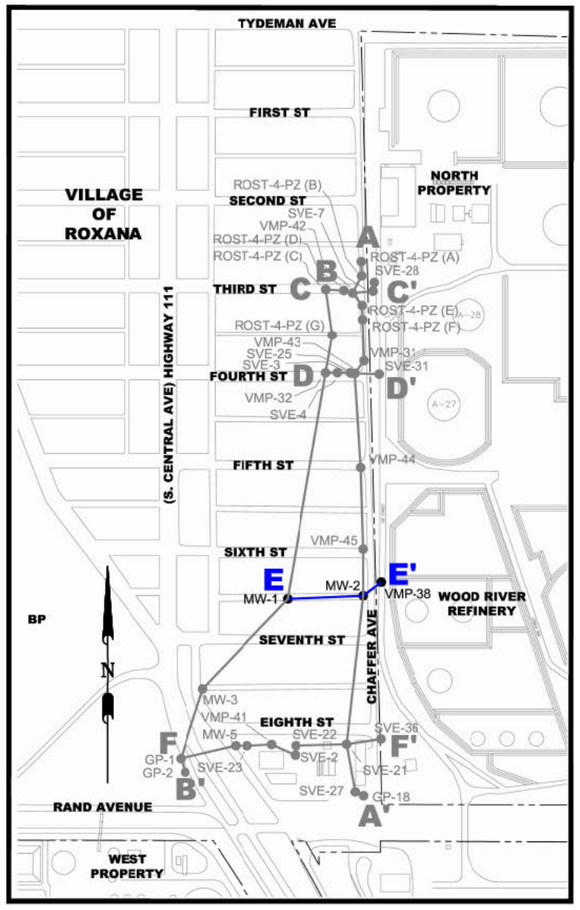
DRN. BY: djd October 2017
DSGN. BY: djd
CHKD. BY: ncm

BTEX Concentration in Soil Pre-SVE
Cross Section D-D'
(West to East)

FIG. NO. RL-16

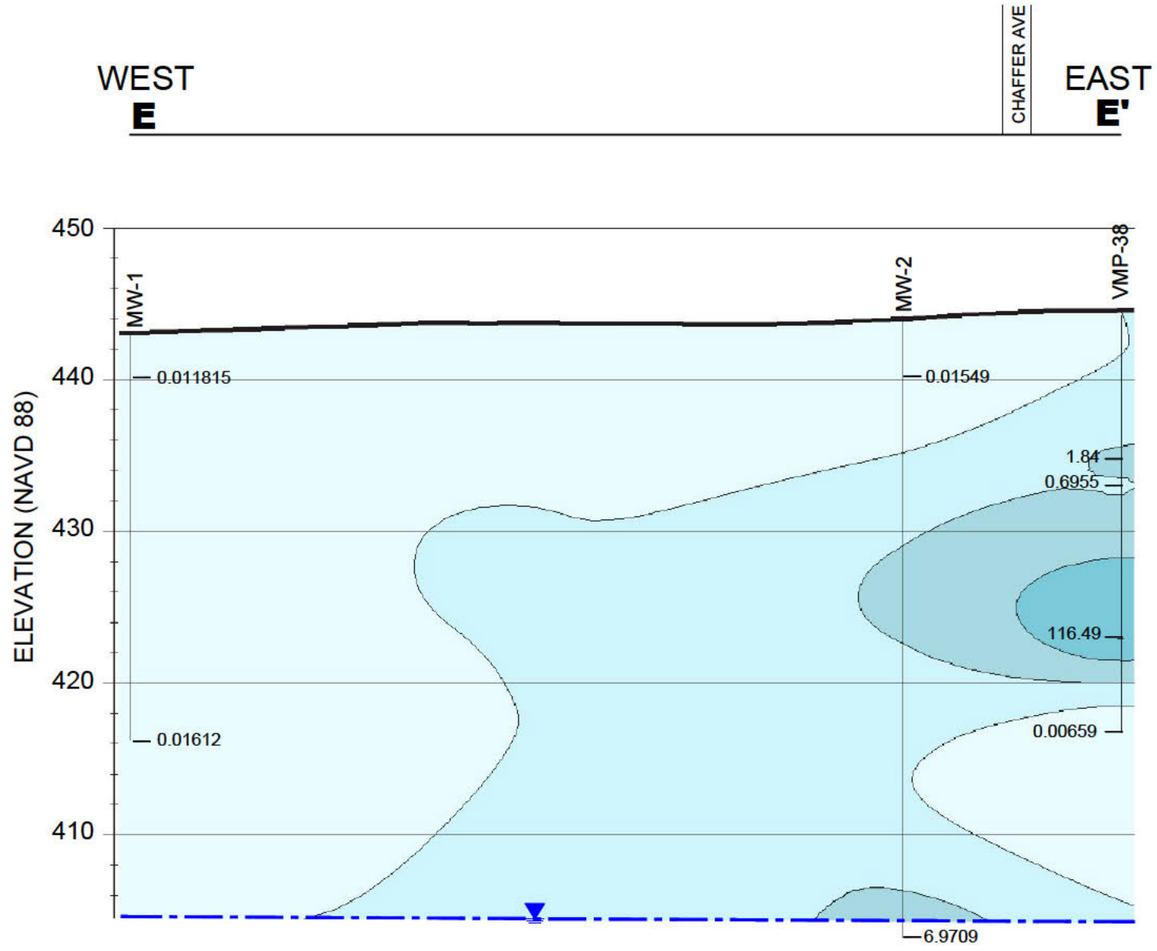
File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60473787_ROXANA2016\6.0_DELIVERABLES\SVI_SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO JEPA\FIGURES\EVS\EVS FENCE DIAGRAM VERSION\BTEX X SECTIONS (REVISED).DWG Last edited: NOV. 17, 17 @ 2:15 p.m. by: david.deguire

E-E' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE

PRE-SVE SYSTEM: BTEX CONCENTRATION (mg/kg) IN SOIL



LEGEND

- APPROXIMATE GROUNDWATER SURFACE ELEVATION
- LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION
- 0.181 / 0.02255 — VALUES DEPICT TOTAL BTEX CONCENTRATION (mg/kg) IN SOIL SAMPLES COLLECTED FOR LABORATORY ANALYSIS

BTEX CONCENTRATION (mg/kg)

3,275* | 1,000 | 100 | 10 | 1 | 0.1 | 0

* MAXIMUM VALUE OBSERVED

VERTICAL SCALE: 0 – 10 FEET

APPROXIMATE HORIZONTAL SCALE: 0 – 50 FEET

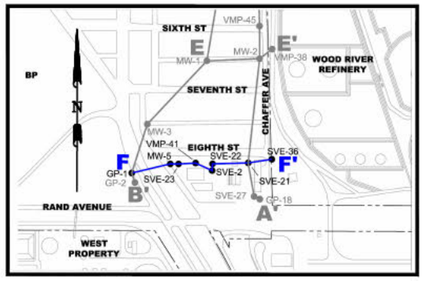
NOTES:

1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. BTEX DATA USED TO GENERATE BTEX IMAGES WERE COLLECTED BETWEEN 2008 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS	PROJECT NO. 60527968
AECOM	
DRN. BY: djd October 2017 DSGN. BY: djd CHKD. BY: ncm	BTEX Concentration in Soil Pre-SVE Cross Section E-E' (West to East)
	FIG. NO. RL-17

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\SVI_SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO IEPA\FIGURES\EVS\EVS FENCE DIAGRAM VERSION\BTEX X SECTIONS (REVISED).DWG Last edited: NOV. 17, 17 @ 2:16 p.m. by: donld.dejuhs

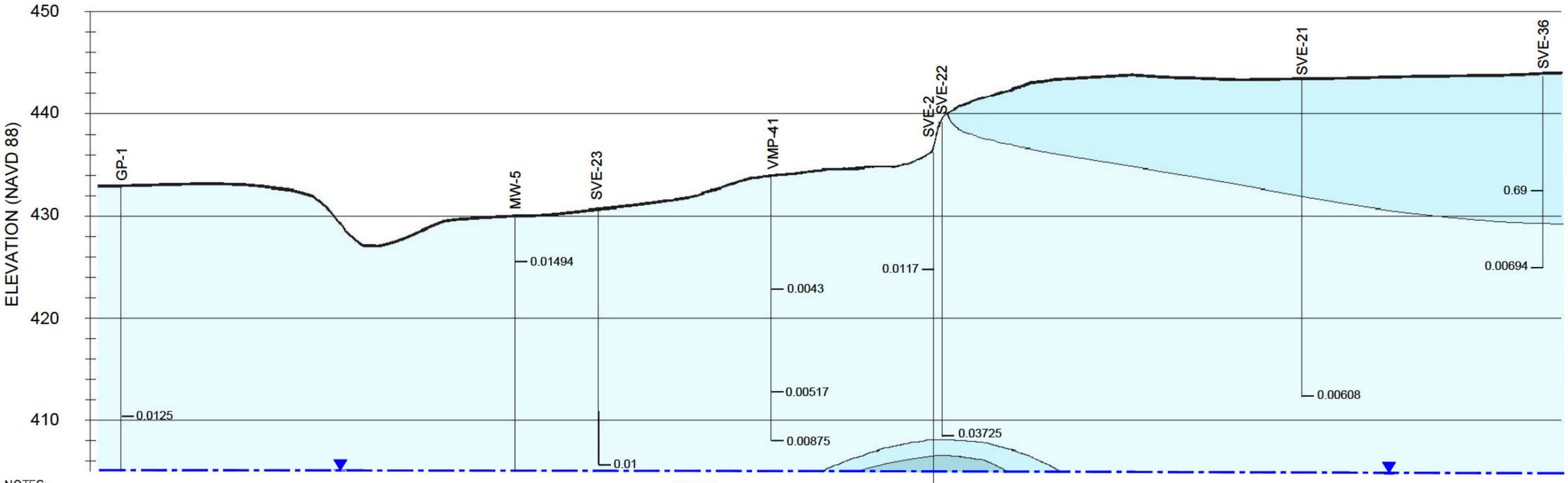
F-F' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE

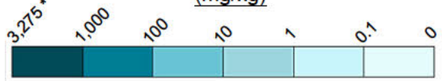
PRE-SVE SYSTEM: BTEX CONCENTRATION (mg/kg) IN SOIL

WEST **F** — (S. CENTRAL AVE) HIGHWAY 111 — S. OLD EDWARDSVILLE — CHAFFER AVE — EAST **F'**



NOTES:
1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. BTEX DATA USED TO GENERATE BTEX IMAGES WERE COLLECTED BETWEEN 2008 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.

BTEX CONCENTRATION (mg/kg)



* MAXIMUM VALUE OBSERVED

LEGEND

APPROXIMATE GROUNDWATER SURFACE ELEVATION

LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION

0.181
0.02255
VALUES DEPICT TOTAL BTEX CONCENTRATION (mg/kg) IN SOIL SAMPLES COLLECTED FOR LABORATORY ANALYSIS

VERTICAL SCALE Ø 10 FEET

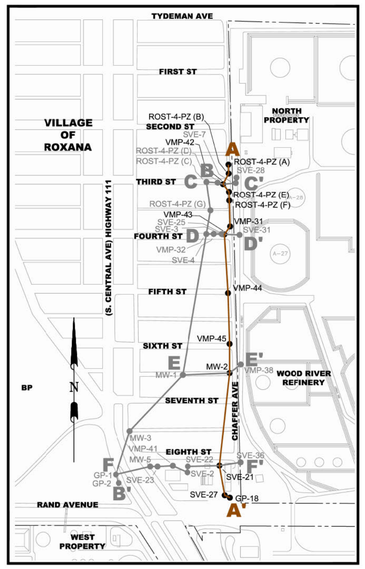
APPROXIMATE HORIZONTAL SCALE Ø 50 FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS	PROJECT NO. 60527968
AECOM	
DRN. BY: djd October 2017 DSGN. BY: djd CHKD. BY: ncm	BTEX Concentration in Soil Pre-SVE Cross Section F-F' (West to East)
	FIG. NO. RL-18

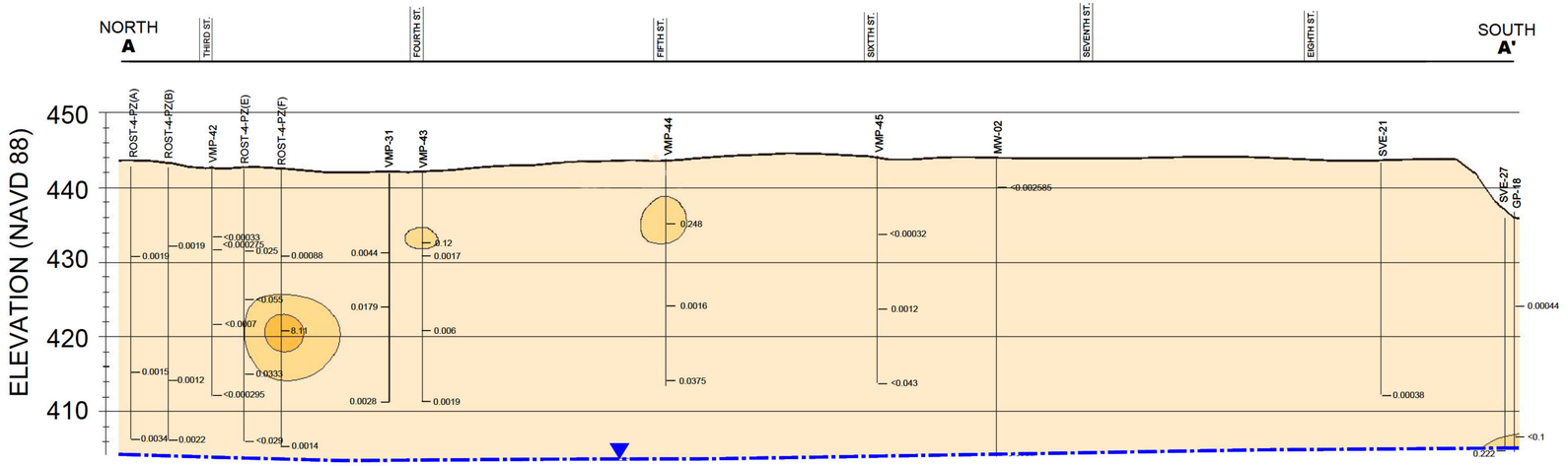
Plot: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO JEPA\FIGURES\EVS\FENCE DIAGRAM VERSION\BTEX X SECTIONS (REVISED).DWG Last edited: NOV. 17, 17 @ 2:16 p.m. by: david.dejuhr

PRE-SVE SYSTEM: BENZENE CONCENTRATION (mg/kg) IN SOIL

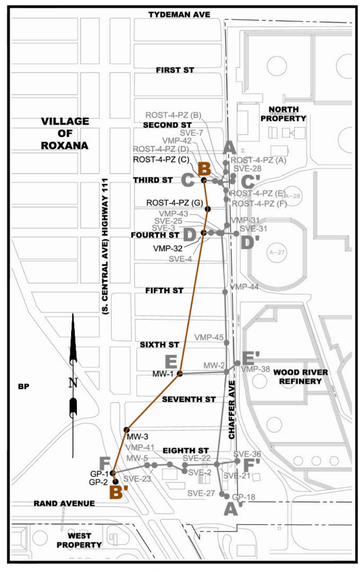
A-A' CROSS SECTION LOCATION



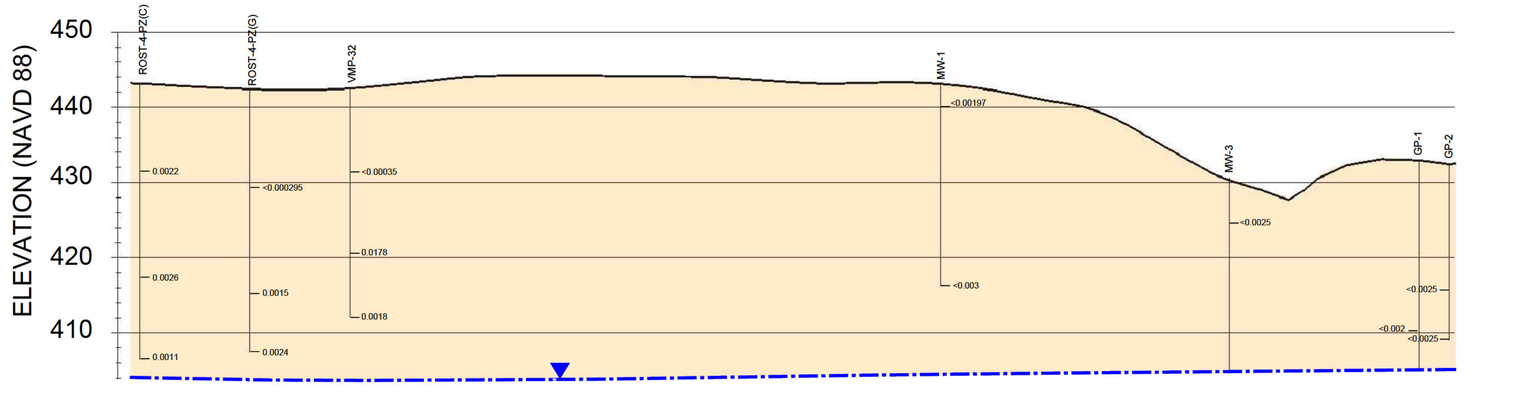
KEYMAP
NOT TO SCALE



B-B' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE



LEGEND

- APPROXIMATE GROUNDWATER SURFACE ELEVATION
- LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION
- 0.0022 / 0.0023 — VALUES DEPICT BENZENE CONCENTRATION (mg/kg) IN SOIL SAMPLES COLLECTED FOR LABORATORY ANALYSIS

NOTES:

1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. BENZENE DATA USED TO GENERATE BENZENE IMAGES WERE COLLECTED BETWEEN 2008 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.
4. NON-DETECT VALUES WERE MODELED AT 1/2 THE REPORTING LIMIT.

Benzene CONCENTRATION (mg/kg)

1,150 * | 100 | 10 | 1 | 0.1 | 0

* MAXIMUM VALUE OBSERVED

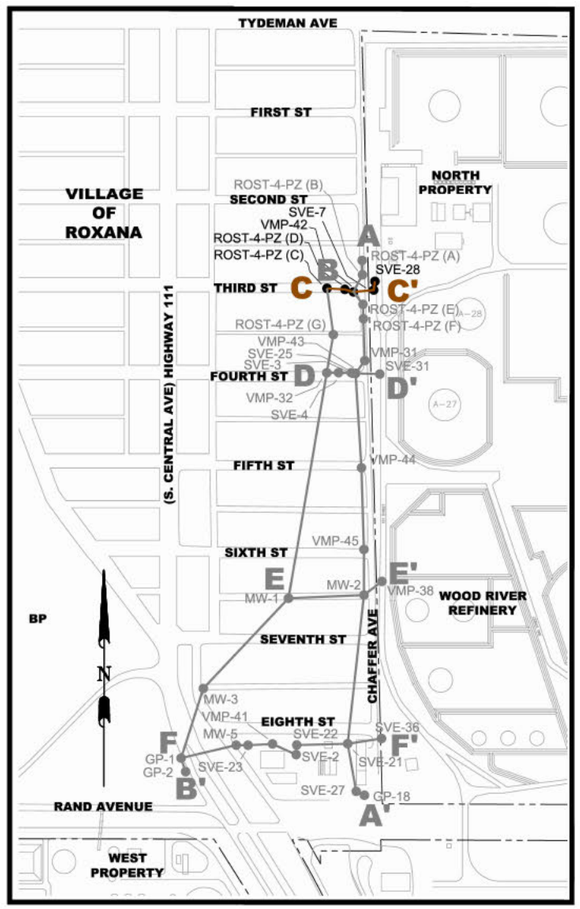
0 10 20
VERTICAL SCALE FEET

0 100 200
APPROXIMATE HORIZONTAL SCALE FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS	PROJECT NO. 60527968
AECOM	
DRN. BY: djd October 2017 DSGN. BY: djd CHKD. BY: ncm	Benzene Concentration in Soil Pre-SVE Cross Sections A-A' and B-B' (North to South)
	FIG. NO. RL-19

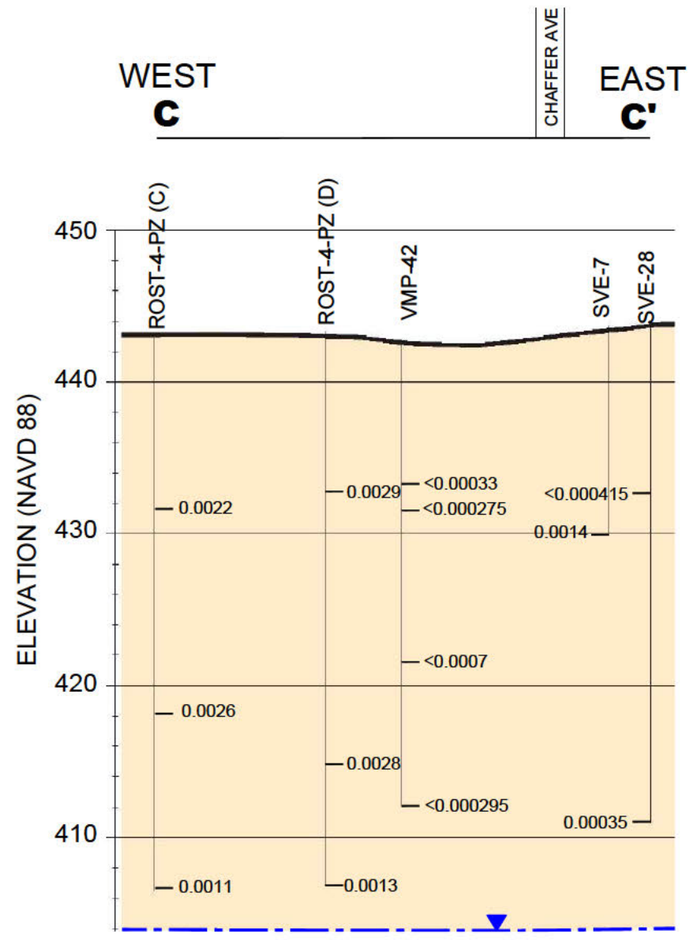
File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\SV_SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO IEPA\FIGURES\EVS\FENCE DIAGRAM VERSION\BENZENE X SECTIONS (REVISED).DWG Last edited: NOV. 17, 17 @ 2:21 p.m. by: david.depuhe

C-C' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE

PRE-SVE SYSTEM: BENZENE CONCENTRATION (mg/kg) IN SOIL



LEGEND

APPROXIMATE GROUNDWATER SURFACE ELEVATION

LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION

0.0022 / 0.0026 VALUES DEPICT BENZENE CONCENTRATION (mg/kg) IN SOIL SAMPLES COLLECTED FOR LABORATORY ANALYSIS

NOTES:
1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. BENZENE DATA USED TO GENERATE BENZENE IMAGES WERE COLLECTED BETWEEN 2008 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.
4. NON-DETECT VALUES WERE MODELED AT 1/2 THE REPORTING LIMIT.

Benzene CONCENTRATION (mg/kg)

1,150* | 100 | 10 | 1 | 0.1 | 0

* MAXIMUM VALUE OBSERVED

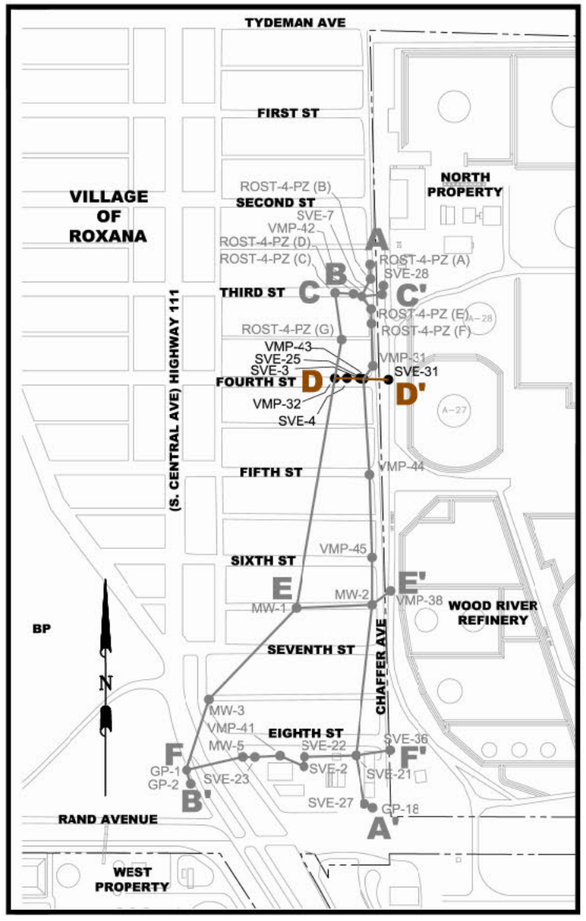
VERTICAL SCALE: 0 — 10 FEET

APPROXIMATE HORIZONTAL SCALE: 0 — 50 FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS		PROJECT NO. 60527968
AECOM		
DRN. BY: djd October 2017 DSGN. BY: djd CHKD. BY: ncm	Benzene Concentration in Soil Pre-SVE Cross Section C-C' (West to East)	FIG. NO. RL-20

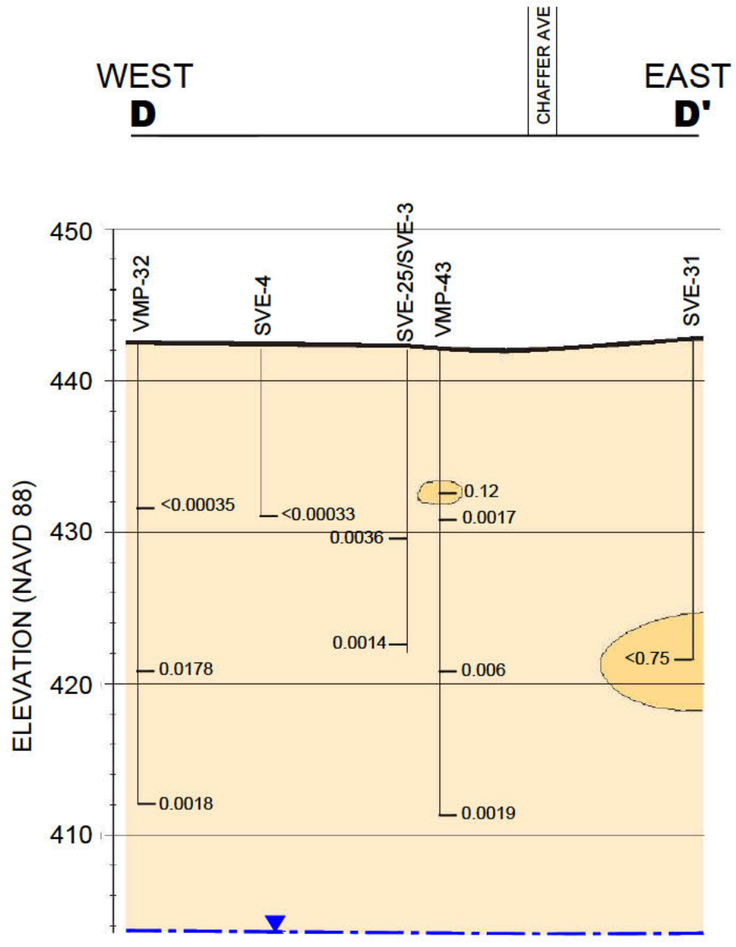
File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\SVI_SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO IEPA\FIGURES\EVS\VENICE DIAGRAM VERSION\BENZENE X SECTIONS (REVISED).DWG Last edited: NOV. 17, 17 @ 2:23 p.m. by: david.deguire

D-D' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE

PRE-SVE SYSTEM: BENZENE CONCENTRATION (mg/kg) IN SOIL



LEGEND

APPROXIMATE GROUNDWATER SURFACE ELEVATION

LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION

0.0022 / 0.0026 VALUES DEPICT BENZENE CONCENTRATION (mg/kg) IN SOIL SAMPLES COLLECTED FOR LABORATORY ANALYSIS

NOTES:

1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. BENZENE DATA USED TO GENERATE BENZENE IMAGES WERE COLLECTED BETWEEN 2008 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.
4. NON-DETECT VALUES WERE MODELED AT 1/2 THE REPORTING LIMIT.

Benzene CONCENTRATION (mg/kg)

1,150* | 100 | 10 | 1 | 0.1 | 0

* MAX MUM VALUE OBSERVED

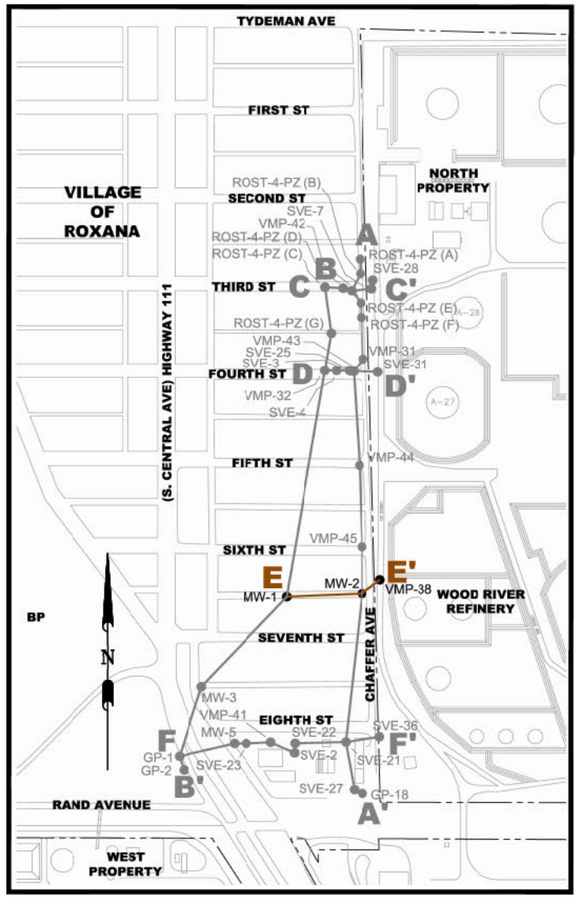
0 — 10 VERTICAL SCALE FEET

0 — 50 APPROXIMATE HORIZONTAL SCALE FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS	PROJECT NO. 60527968
AECOM	
DRN. BY: djd October 2017 DSGN. BY: djd CHKD. BY: ncm	Benzene Concentration in Soil Pre-SVE Cross Section D-D' (West to East)
	FIG. NO. RL-21

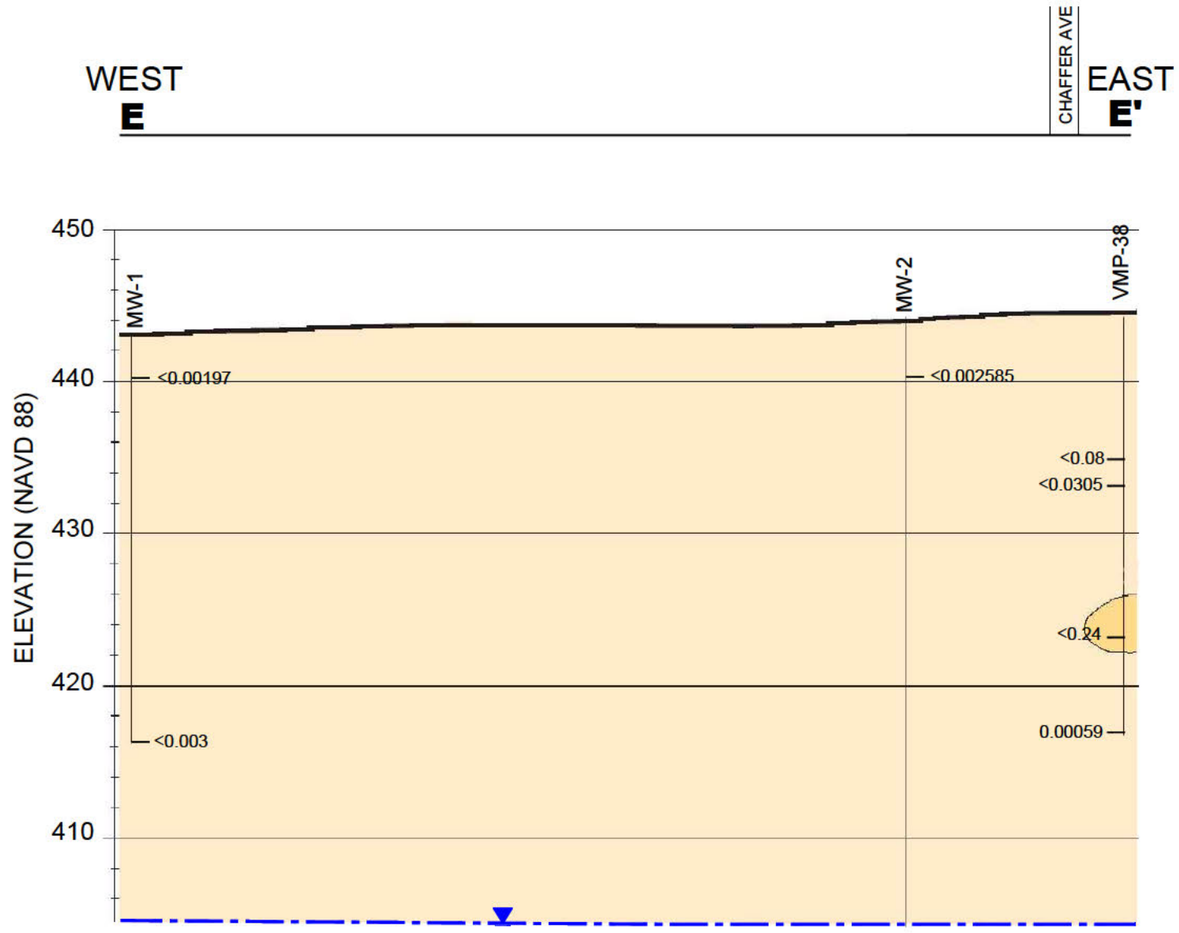
File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\SV_SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO JEPA\FIGURES\EVS\FENCE DIAGRAM VERSION\BENZENE X SECTIONS (REVISED).DWG Last edited: NOV. 17, 17 @ 2:57 p.m. by: david.deguire

E-E' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE

PRE-SVE SYSTEM: BENZENE CONCENTRATION (mg/kg) IN SOIL



LEGEND

APPROXIMATE GROUNDWATER SURFACE ELEVATION

LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION

0.0022 / 0.0026 VALUES DEPICT BENZENE CONCENTRATION (mg/kg) IN SOIL SAMPLES COLLECTED FOR LABORATORY ANALYSIS

NOTES:

1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. BENZENE DATA USED TO GENERATE BENZENE IMAGES WERE COLLECTED BETWEEN 2008 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.
4. NON-DETECT VALUES WERE MODELED AT 1/2 THE REPORTING LIMIT.

Benzene CONCENTRATION (mg/kg)

1,150* | 100 | 10 | 1 | 0.1 | 0

* MAXIMUM VALUE OBSERVED

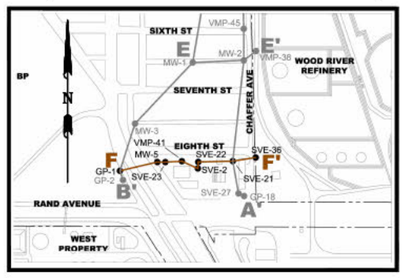
0 — 10 VERTICAL SCALE FEET

0 — 50 APPROXIMATE HORIZONTAL SCALE FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS	PROJECT NO. 60527968
AECOM	
DRN. BY: djd October 2017 DSGN. BY: djd CHKD. BY: ncm	Benzene Concentration in Soil Pre-SVE Cross Section E-E' (West to East)
	FIG. NO. RL-22

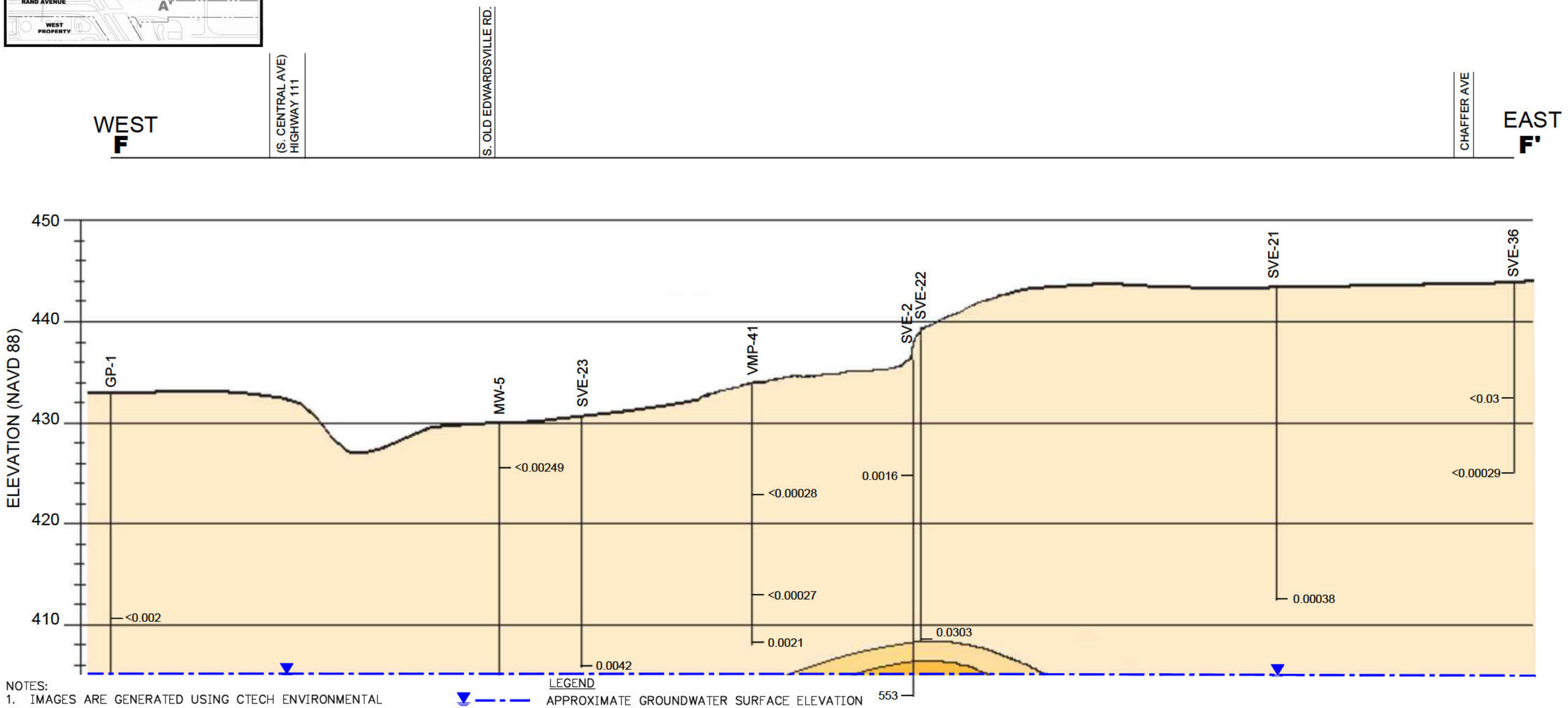
File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\SV_SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO JEPA\FIGURES\EVS\FENCE DIAGRAM VERSION\BENZENE X SECTIONS (REVISED).DWG Last edited: NOV. 17, 17 @ 2:24 p.m. by: david.deguire

F-F' CROSS SECTION LOCATION



KEYMAP
NOT TO SCALE

PRE-SVE SYSTEM: BENZENE CONCENTRATION (mg/kg) IN SOIL



NOTES:

1. IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA.
2. BENZENE DATA USED TO GENERATE BENZENE IMAGES WERE COLLECTED BETWEEN 2008 AND 2011.
3. BOTTOM OF CROSS SECTION IMAGES REPRESENTS APPROXIMATE GROUNDWATER ELEVATION DURING 2Q11.
4. NON-DETECT VALUES WERE MODELED AT 1/2 THE REPORTING LIMIT.

LEGEND

APPROXIMATE GROUNDWATER SURFACE ELEVATION

LOCATIONS DISPLAYED ON KEYMAP AND CROSS SECTION

0.0022 / 0.0026 VALUES DEPICT BENZENE CONCENTRATION (mg/kg) IN SOIL SAMPLES COLLECTED FOR LABORATORY ANALYSIS

Benzene CONCENTRATION (mg/kg)

1,150* | 100 | 10 | 1 | 0.1 | 0

* MAXIMUM VALUE OBSERVED

0 10 VERTICAL SCALE FEET

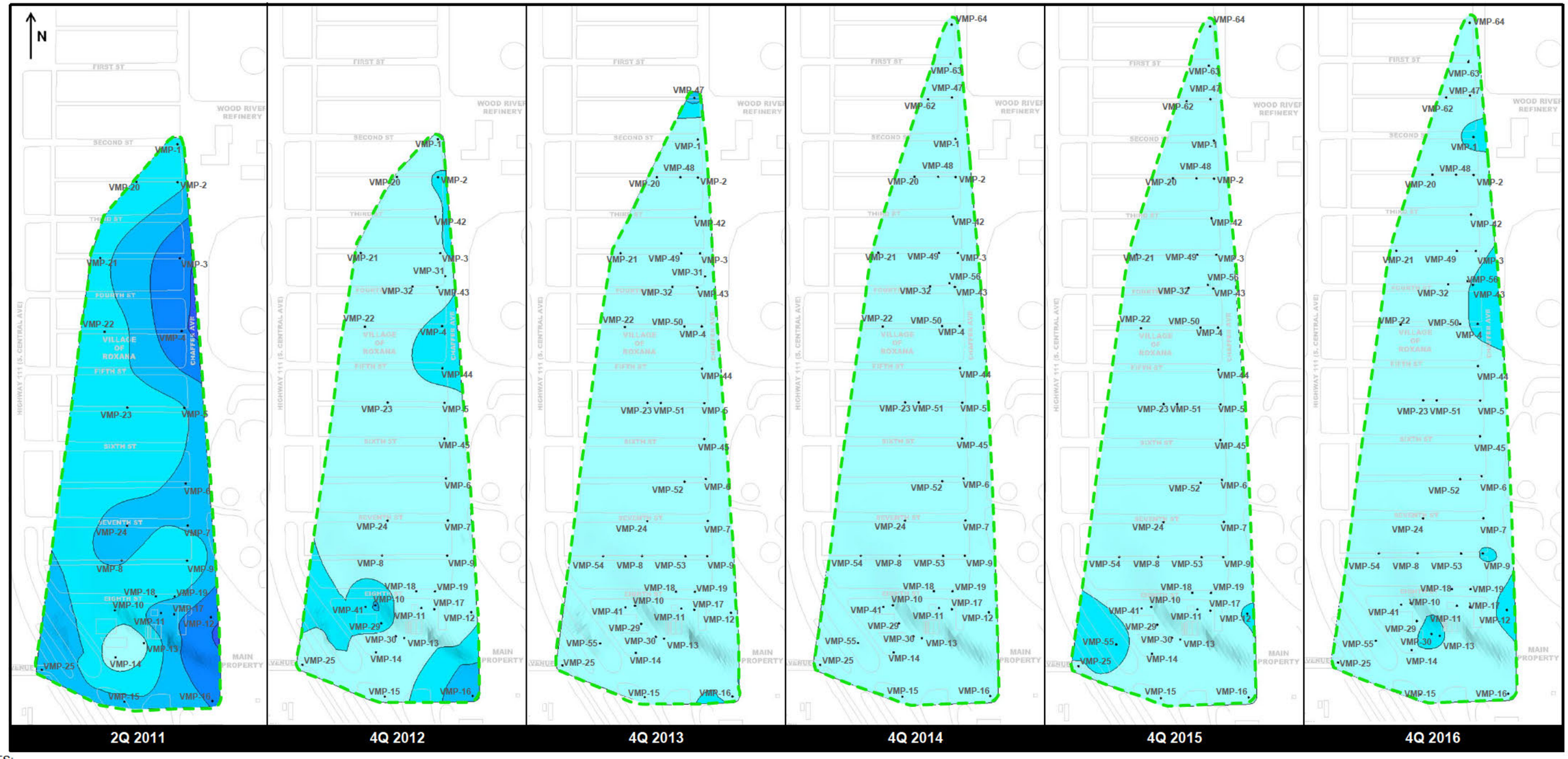
0 50 APPROXIMATE HORIZONTAL SCALE FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS	PROJECT NO. 60527968
AECOM	
DRN. BY: djd October 2017 DSGN. BY: djd CHKD. BY: ncm	Benzene Concentration in Soil Pre-SVE Cross Section F-F' (West to East)
	FIG. NO. RL-23

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\SV_SVE REPORTING\TACO\RESPONSE TO COMMENTS AUG 2017\DELIVERABLE TO JEPA\FIGURES\EVS\FENCE DIAGRAM VERSION\BENZENE X SECTIONS (REVISED).DWG Last edited: NOV. 17, 17 @ 2:25 p.m. by: david.deguire

BTEX Concentration (mg/m^3) in Soil Gas Over Time
5 feet bgs

Pre-SVE ----------> **4Q 2016**



NOTES:

1.) IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP LOCATIONS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA. SOME INTERPRETATION WAS COMPLETED UTILIZING PROFESSIONAL JUDGMENT.

2.) INITIAL SYSTEM STARTUP OF THE WEST FENCELINE PORTION OF THE SOIL VAPOR EXTRACTION (SVE) SYSTEM WAS JANUARY 31, 2012. THE PUBLIC WORKS PORTION OF THE SVE SYSTEM WAS STARTED ON DECEMBER 6, 2012.

3.) THE LABORATORY ANALYSIS DATA INCLUDED IN THESE VISUALIZATIONS WERE COLLECTED DURING QUARTERLY SOIL VAPOR MONITORING EVENTS.

4.) NON-DETECT VALUES WERE MODELED AT 1/2 THE REPORTING LIMIT.

BTEX Concentration (mg/m^3)

0 | 0.1 | 1 | 10 | 100 | 1,000 | ≥10,000

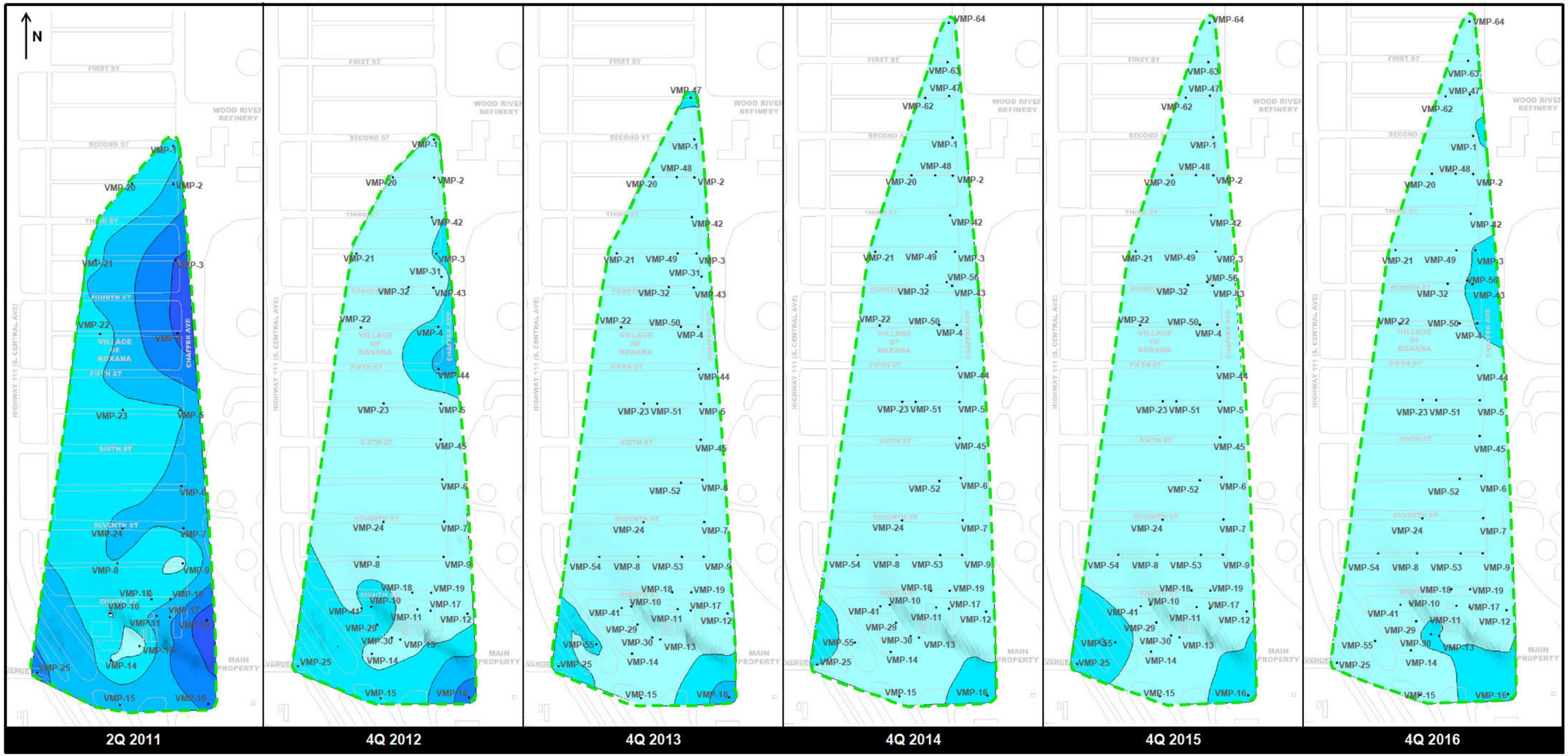
● = Vapor Monitoring Point Location (VMP)

= Extent of EVS Model

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS		PROJECT NO. 60527968
AECOM		
DRN. BY: cem Aug. 2017 DSGN. BY: cem CHKD. BY: nm	BTEX Concentration in Soil Gas Over Time (5 feet bgs)	FIG. NO. RL-24

BTEX Concentration (mg/m^3) in Soil Gas Over Time
10 feet bgs

Pre-SVE ----------> **4Q 2016**



NOTES:

1.) IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP LOCATIONS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA. SOME INTERPRETATION WAS COMPLETED UTILIZING PROFESSIONAL JUDGMENT.

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3.) THE LABORATORY ANALYSIS DATA INCLUDED IN THESE VISUALIZATIONS WERE COLLECTED DURING QUARTERLY SOIL VAPOR MONITORING EVENTS.

4.) NON-DETECT VALUES WERE MODELED AT 1/2 THE REPORTING LIMIT.

BTEX Concentration (mg/m^3)

0 | 0.1 | 1 | 10 | 100 | 1,000 | ≥10,000

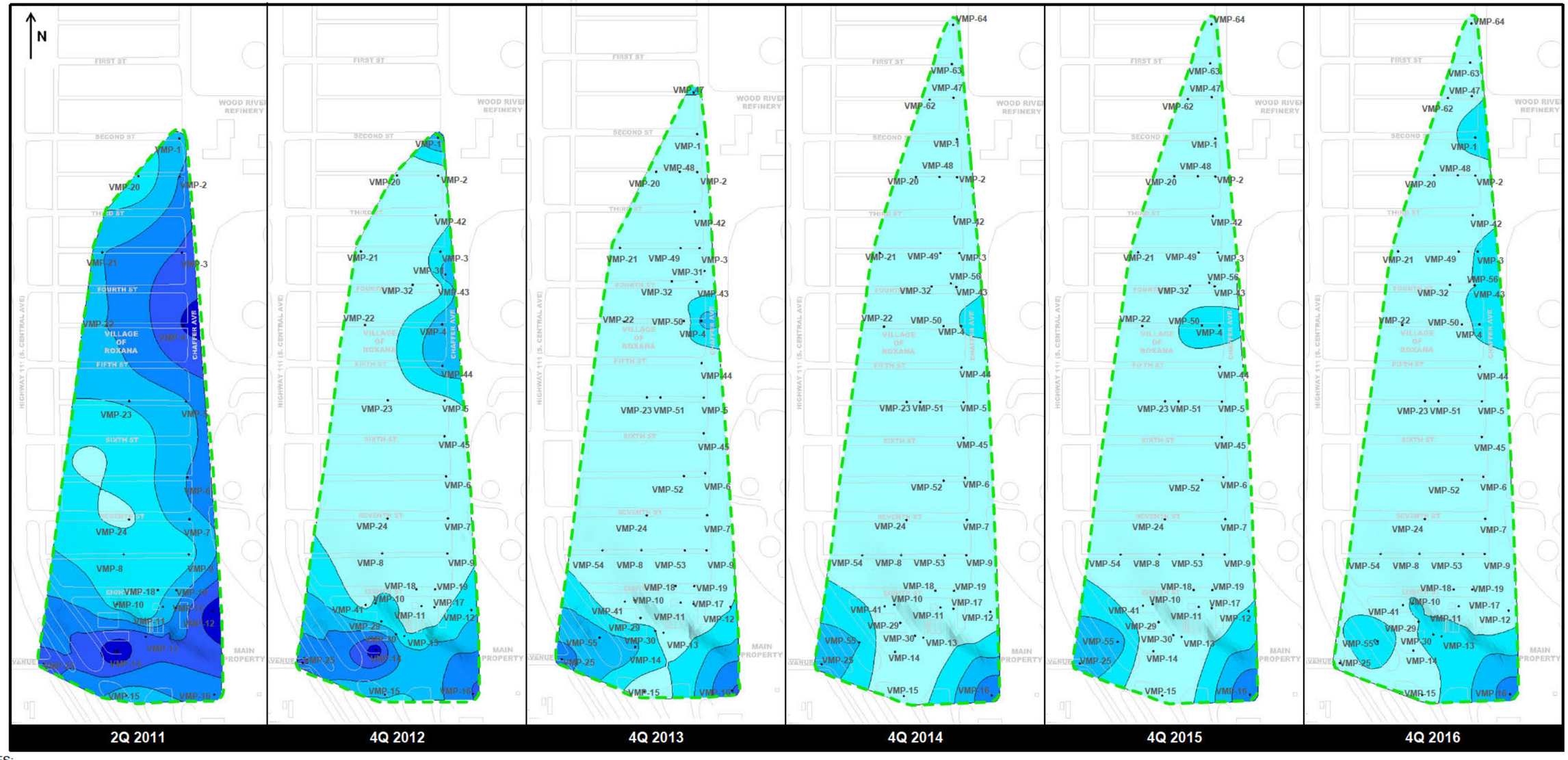
● = Vapor Monitoring Point Location (VMP)

= Extent of EVS Model

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS	PROJECT NO. 60527968
AECOM	
DRN. BY: cem Aug. 2017 DSGN. BY: cem CHKD. BY: nm	BTEX Concentration in Soil Gas Over Time (10 feet bgs) — FIG. NO. RL-25

BTEX Concentration (mg/m^3) in Soil Gas Over Time
20 feet bgs

Pre-SVE ----------> **4Q 2016**



NOTES:

1.) IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP LOCATIONS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA. SOME INTERPRETATION WAS COMPLETED UTILIZING PROFESSIONAL JUDGMENT.

2.) INITIAL SYSTEM STARTUP OF THE WEST FENCELINE PORTION OF THE SOIL VAPOR EXTRACTION (SVE) SYSTEM WAS JANUARY 31, 2012. THE PUBLIC WORKS PORTION OF THE SVE SYSTEM WAS STARTED ON DECEMBER 6, 2012.

3.) THE LABORATORY ANALYSIS DATA INCLUDED IN THESE VISUALIZATIONS WERE COLLECTED DURING QUARTERLY SOIL VAPOR MONITORING EVENTS.

4.) NON-DETECT VALUES WERE MODELED AT 1/2 THE REPORTING LIMIT.

BTEX Concentration (mg/m^3)

0 | 0.1 | 1 | 10 | 100 | 1,000 | ≥10,000

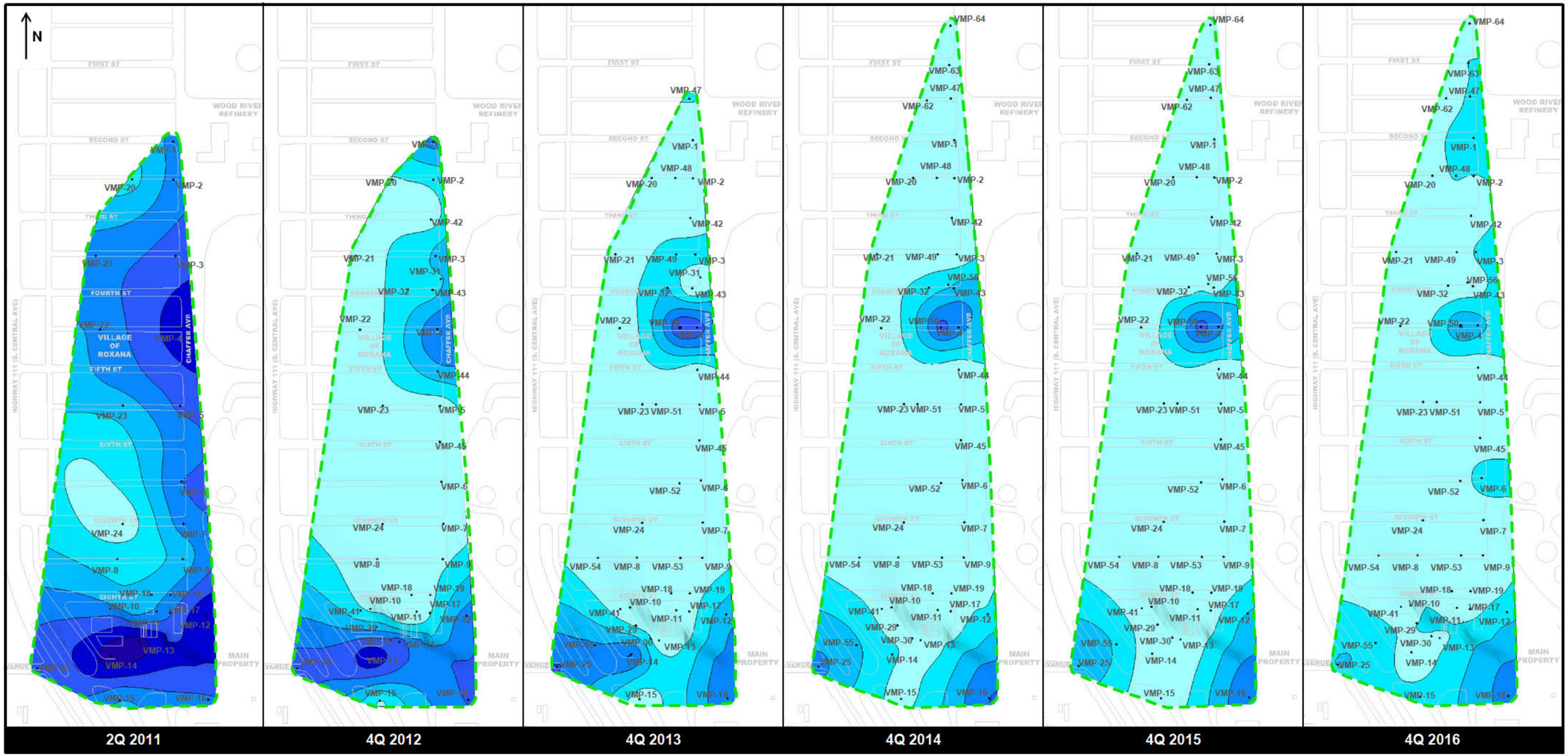
● = Vapor Monitoring Point Location (VMP)

= Extent of EVS Model

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS	PROJECT NO. 60527968
AECOM	
DRN. BY: cem Aug. 2017 DSGN. BY: cem CHKD. BY: nm	BTEX Concentration in Soil Gas Over Time (20 feet bgs) — FIG. NO. RL-26

BTEX Concentration (mg/m^3) in Soil Gas Over Time
30 feet bgs

Pre-SVE ----------> **4Q 2017**



NOTES:

1.) IMAGES ARE GENERATED USING CTECH ENVIRONMENTAL VISUALIZATION SOFTWARE (EVS). CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. VMP LOCATIONS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF MEASURED DATA. SOME INTERPRETATION WAS COMPLETED UTILIZING PROFESSIONAL JUDGMENT.

2.) INITIAL SYSTEM STARTUP OF THE WEST FENCELINE PORTION OF THE SOIL VAPOR EXTRACTION (SVE) SYSTEM WAS JANUARY 31, 2012. THE PUBLIC WORKS PORTION OF THE SVE SYSTEM WAS STARTED ON DECEMBER 6, 2012.

3.) THE LABORATORY ANALYSIS DATA INCLUDED IN THESE VISUALIZATIONS WERE COLLECTED DURING QUARTERLY SOIL VAPOR MONITORING EVENTS.

4.) NON-DETECT VALUES WERE MODELED AT 1/2 THE REPORTING LIMIT.

BTEX Concentration (mg/m^3)

0 | 0.1 | 1 | 10 | 100 | 1,000 | ≥10,000

• = Vapor Monitoring Point Location (VMP)

– – – = Extent of EVS Model

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US TACO TIER 3 DEMONSTRATION ROXANA, ILLINOIS	PROJECT NO. 60527968
AECOM	
DRN. BY: cem Aug. 2017 DSGN. BY: cem CHKD. BY: nm	BTEX Concentration in Soil Gas Over Time (30 feet bgs) — FIG. NO. RL-27

Attachments

	Response Letter Table	Previous Attachment Number and Source	IEPA Comment
	Appendix 2-B, Table 1: Little, Daisey, Nazaroff Model Input Parameters and Calculations (Residential)	Appendix 2-B in TACO Tier 3 Demonstration, Part 2	
1	Appendix 2-B, Table 2: Indoor Air Calculations (Residential)	Appendix 2-B in TACO Tier 3 Demonstration, Part 2	5
	Appendix 2-B, Table 3: Little, Daisey, Nazaroff Model Input Parameters and Calculations (Construction Worker)	Appendix 2-B in TACO Tier 3 Demonstration, Part 2	
2	Appendix 2-B, Table 4: Industrial Air Calculations (Construction Worker)	Appendix 2-B in TACO Tier 3 Demonstration, Part 2	5

APPENDIX 2-B, TABLE 1
LITTLE, DAISEY, NAZAROFF MODEL INPUT PARAMETERS AND CALCULATIONS (RESIDENTIAL)

NOTES:
Little, Daisey, Nazaroff Model
Chemical Properties Sources :
USEPA RSL Chemical Specific Parameters in *Blue*, all others provided in TACO, Appendix C, Table E

			CAS:	67-64-1	71-43-2	100-44-7	75-27-4	75-25-2	74-83-9	106-99-0	78-93-3	75-15-0	56-23-5	108-90-7	67-66-3	74-87-3	110-82-7	106-93-4	95-50-1	106-46-7	75-71-8
			Chemical:	Acetone	Benzene	Benzyl Chloride	Bromo-dichloro-methane	Bromoform	Bromomethane	Butadiene, 1,3-	2-Butanone	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroform	Chloro-methane	Cyclo-hexane	Dibromo-ethane, 1,2-	Dichloro-benzene, 1,2-	Dichloro-benzene, 1,4-	Dichloro-difluoro-methane
	Symbol	Definition	Units																	
TACO Values	RO_IA	Indoor Air RO	mg/m3	3.23E+01	3.12E-04	4.97E-05	6.58E-05	2.21E-03	5.21E-03	8.11E-05	5.21E+00	7.30E-01	4.06E-04	5.21E-02	1.06E-04	9.39E-02	6.26E+00	4.06E-06	0.209	2.21E-04	1.04E-01
Chemical Properties	MW	Molecular Weight	g/mol	*5.81E+01*	*7.81E+01*	*126.59*	*1.64E+02*	*252.73*	*94.94*	*54.09*	*7.21E+01*	*7.61E+01*	*153.82*	*112.56*	*1.19E+02*	*5.05E+01*	*8.42E+01*	*187.86*	*147.00*	*147.00*	*1.21E+02*
	Da	Diffusivity in Air	cm2/sec	1.24E-01	8.80E-02	*6.34E-02*	5.61E-02	1.49E-02	7.28E-02	*1.00E-01*	8.08E-02	1.04E-01	7.80E-02	7.30E-02	1.04E-01	*1.24E-01*	*8.00E-02*	4.37E-02	6.90E-02	6.90E-02	7.60E-02
	Dw	Diffusivity in Water	cm2/sec	1.14E-05	1.02E-05	*8.81E-06*	1.06E-05	1.03E-05	1.21E-05	*1.03E-05*	9.80E-06	1.00E-05	8.80E-06	8.70E-06	1.00E-05	*1.36E-05*	*9.11E-06*	8.44E-06	7.90E-06	7.90E-06	1.08E-05
	H'	Henry's Law Constant	unitless	9.73E-04	1.34E-01	*0.017*	3.71E-02	1.06E-02	1.79E-01	*3.009*	1.32E-03	8.06E-01	7.48E-01	7.93E-02	1.50E-01	*3.61E-01*	*6.13E+00*	1.54E-02	3.56E-02	4.69E-02	8.14E+00
	H	"	atm-m3/mol	*3.50E-05*	*5.55E-03*	*4.12E-04*	*2.12E-03*	*5.35E-04*	*7.34E-03*	*7.36E-02*	*5.69E-05*	*1.44E-02*	*2.76E-02*	*3.11E-03*	*3.67E-03*	*8.82E-03*	*1.50E-01*	*6.50E-04*	*1.92E-03*	*2.41E-03*	*3.43E-01*
	S	Water Solubility	mg/L	1.00E+06	1.80E+03	*5.25E+02*	6.70E+03	3.10E+03	1.50E+04	*7.35E+02*	2.20E+05	1.20E+03	7.90E+02	4.70E+02	7.90E+03	*5.32E+03*	*5.50E+01*	4.00E+03	1.56E+02	7.90E+01	2.80E+02
	Koc	Organic carbon partition	cm3/g	0.78	50	*446.1*	50	91.2	10	*39.6*	2	63	200	200	50	*13.22*	*145.8*	50	575	790	61.7
	P	Vapor Pressure	mm Hg	230	95	*1.23*	50	5.51	1620	*2107*	95	360	120	12	200	*4,300*	*96.86*	13	1.36	1	4,850
Soil Properties	T	Temperature	°C	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	"	"	°K	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
	θt	Total porosity	unitless	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
	θw	Water-filled porosity	unitless	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	θa	Air-filled porosity	unitless	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Building Dimensions	L	Length	m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	W	Width	m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	H	Ceiling height	m	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
	A	Slab Footprint	m2	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Vbldg	Internal volume	m3	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244
Building Ventilation	AER	Air changes per hour	hr^{-1}	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
	Qbldg	Air flow rate	m3/hr	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
Millington-Quirk Relationship	D_e	effective diffusivity	cm^2/sec	0.0098	0.0069	0.0049	0.0044	0.0012	0.0057	0.0078	0.0064	0.0081	0.0061	0.0057	0.0081	0.0097	0.0062	0.0034	0.0054	0.0054	0.0059
	D_e	effective diffusivity	m^2/hr	0.0035	0.0025	0.0018	0.0016	0.0004	0.0020	0.0028	0.0023	0.0029	0.0022	0.0021	0.0029	0.0035	0.0022	0.0012	0.0019	0.0019	0.0021
	Da	diffusivity in air	cm^2/sec	0.124	0.088	0.063	0.056	0.015	0.073	0.100	0.081	0.104	0.078	0.073	0.104	0.124	0.080	0.044	0.069	0.069	0.076
	q_a	air-filled porosity of soil	vol/vol	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
	q_t	total porosity of soil	vol/vol	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43

Calculated Tier 3 Soil Gas Attenuation Factors

Transport Distance (below assumed 7 foot basement depth)		Acetone	Benzene	Benzyl Chloride	Bromo-dichloro-methane	Bromoform	Bromomethane	Butadiene, 1,3-	2-Butanone	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroform	Chloro-methane	Cyclo-hexane	Dibromo-ethane, 1,2-	Dichloro-benzene, 1,2-	Dichloro-benzene, 1,4-	Dichloro-difluoro-methane
(ft)	(m)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3	0.91	2.98E-03	2.09E-03	1.51E-03	1.33E-03	3.57E-04	1.73E-03	2.38E-03	1.94E-03	2.47E-03	1.85E-03	1.73E-03	2.47E-03	2.94E-03	1.90E-03	1.04E-03	1.64E-03	1.64E-03	1.80E-03

Calculated Tier 3 Soil Gas Remediation Objectives

Transport Distance (below assumed 7 foot basement depth)		Acetone	Benzene	Benzyl Chloride	Bromo-dichloro-methane	Bromoform	Bromomethane	Butadiene, 1,3-	2-Butanone	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroform	Chloro-methane	Cyclo-hexane	Dibromo-ethane, 1,2-	Dichloro-benzene, 1,2-	Dichloro-benzene, 1,4-	Dichloro-difluoro-methane
(ft)	(m)	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
3	0.91	1.08E+04	1.49E-01	3.30E-02	4.94E-02	6.20E+00	3.01E+00	3.40E-02	2.68E+03	2.96E+02	2.19E-01	3.00E+01	4.29E-02	3.19E+01	3.30E+03	3.91E-03	1.28E+02	1.35E-01	5.76E+01

Calculated Tier 3 LDN Screening Values

Transport Distance (below assumed 7 foot basement depth)		Acetone	Benzene	Benzyl Chloride	Bromo-dichloro-methane	Bromoform	Bromomethane	Butadiene, 1,3-	2-Butanone	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroform	Chloro-methane	Cyclo-hexane	Dibromo-ethane, 1,2-	Dichloro-benzene, 1,2-	Dichloro-benzene, 1,4-	Dichloro-difluoro-methane
(ft)	(m)	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
3	0.91	11,000	0.15	0.033	0.05	6.20	3	0.034	2700	300	0.20	30	0.04	32	3300	0.004	130	0.10	58
C_v^{sat} Values		750,000	420,000	8,700	450,000	78,000	8,600,000	6,400,000	380,000	1,500,000	1,000,000	74,000	1,300,000	12,000,000	460,000	140,000	11,000	8,400	33,000,000

APPENDIX 2-B, TABLE 1
LITTLE, DAISEY, NAZAROFF MODEL INPUT PARAMETERS AND CALCULATIONS (RESIDENTIAL)

NOTES:
Little, Daisey, Nazaroff Model
Chemical Properties Sources :
USEPA RSL Chemical Specific Parameters in *Blue*, all others provided in TACO, Appendix C, Table E

			CAS:	75-34-3	75-35-4	75-09-2	78-87-5	542-75-6	542-75-6	123-91-1	100-41-4	75-00-3	107-06-2	142-82-5	87-68-3	110-54-3	591-78-6	98-82-8	108-10-1	1634-04-4
			Chemical:	Dichloro-ethane, 1,1-	Dichloro-ethylene, 1,1-	Dichloro-methane	Dichloro-propane, 1,2-	Dichloro-propene, 1,3-cis	Dichloro-propene, 1,3-trans	Dioxane, 1,4-	Ethyl-benzene	Ethyl Chloride (Chloro-ethane)	Ethylene dichloride (Dichloro-ethane, 1,2-)	Heptane, N-	Hexachloro-butadiene	Hexane	2-Hexanone	Isopropyl-benzene (Cumene)	4-Methyl-2-pentanone	Methyl tert-Butyl Ether (MTBE)
	Symbol	Definition	Units																
TACO Values	RO_IA	Indoor Air RO	mg/m3	1.52E-03	0.209	2.43E-01	6.58E-05	6.08E-04	6.08E-04	4.87E-04	9.73E-04	1.04E+01	9.36E-05	4.17E-01	1.11E-04	7.30E-01	3.13E-02	4.17E-01	3.13E+00	9.36E-03
Chemical Properties	MW	Molecular Weight	g/mol	*98.96*	*96.94*	*8.49E+01*	*112.99*	*110.97*	*110.97*	*88.11*	*1.06E+02*	*64.52*	*98.96*	100.21	*260.76*	*8.62E+01*	*1.00E+02*	*1.20E+02*	*1.00E+02*	*88.15*
	Da	Diffusivity in Air	cm2/sec	7.42E-02	9.00E-02	1.01E-01	7.82E-02	6.26E-02	6.26E-02	2.29E-01	7.50E-02	*1.04E-01*	1.04E-02	6.49E-02	*2.67E-02*	*7.31E-02*	*7.04E-02*	6.50E-02	*6.98E-02*	8.59E-02
	Dw	Diffusivity in Water	cm2/sec	1.05E-05	1.04E-05	1.17E-05	8.73E-06	1.00E-05	1.00E-05	1.02E-05	7.80E-06	*1.16E-05*	9.90E-06	7.59E-06	*7.03E-06*	*8.17E-06*	*8.44E-06*	7.10E-06	*8.35E-06*	1.10E-05
	H'	Henry's Law Constant	unitless	1.42E-01	7.10E-01	5.70E-02	6.52E-02	3.98E-01	3.98E-01	1.07E-04	1.64E-01	*0.454*	2.29E-02	81.766	*0.421*	*7.36E+01*	*3.81E-03*	2.10E+01	*5.64E-03*	1.50E-02
	H	"	atm-m3/mol	*5.62E-03*	*2.61E-02*	*3.25E-03*	*2.82E-03*	*3.55E-03*	*3.55E-03*	*4.80E-06*	*7.88E-03*	*1.11E-02*	*1.18E-03*	2.00E+00	*1.03E-02*	*1.80E+00*	*9.32E-05*	*1.15E-02*	*1.38E-04*	*5.87E-04*
	S	Water Solubility	mg/L	5.10E+03	2.30E+03	1.30E+04	2.80E+03	2.80E+03	2.80E+03	1.00E+06	1.70E+02	*6.71E+03*	8.50E+03	3.40E+00	*3.20E+00*	*9.50E+00*	*1.72E+04*	6.10E+01	*1.90E+04*	5.10E+04
	Koc	Organic carbon partition	cm3/g	32	50	13	50	20	20	0.72	320	*21.73*	20	239.7	*845.2*	*131.5*	*14.98*	1020	*12.6*	10.00
	P	Vapor Pressure	mm Hg	230	600	430	52	34	34	38.1	9.6	*1008*	79	46	*0.22*	*151.3*	*11.6*	4.5	*19.86*	250
Soil Properties	T	Temperature	°C	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	"	"	°K	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
	θt	Total porosity	unitless	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
	θw	Water-filled porosity	unitless	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	θa	Air-filled porosity	unitless	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Building Dimensions	L	Length	m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	W	Width	m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	H	Ceiling height	m	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
	A	Slab Footprint	m2	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Vbldg	Internal volume	m3	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244
Building Ventilation	AER	Air changes per hour	hr^{-1}	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
	Qbldg	Air flow rate	m3/hr	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
Millington-Quirk Relationship	D_e	effective diffusivity	cm^2/sec	0.0058	0.0070	0.0079	0.0061	0.0049	0.0049	0.0188	0.0059	0.0081	0.0008	0.0051	0.0021	0.0057	0.0055	0.0051	0.0055	0.0067
	D_e	effective diffusivity	m^2/hr	0.0021	0.0025	0.0028	0.0022	0.0018	0.0018	0.0068	0.0021	0.0029	0.0003	0.0018	0.0008	0.0021	0.0020	0.0018	0.0020	0.0024
	Da	diffusivity in air	cm^2/sec	0.074	0.090	0.101	0.078	0.063	0.063	0.229	0.075	0.104	0.010	0.065	0.027	0.073	0.070	0.065	0.070	0.086
	q_a	air-filled porosity of soil	vol/vol	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
	q_t	total porosity of soil	vol/vol	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43

Calculated Tier 3 Soil Gas Attenuation Factors

Transport Distance (below assumed 7 foot basement depth)		Dichloro-ethane, 1,1-	Dichloro-ethylene, 1,1-	Dichloro-methane	Dichloro-propane, 1,2-	Dichloro-propene, 1,3-cis	Dichloro-propene, 1,3-trans	Dioxane, 1,4-	Ethyl-benzene	Ethyl Chloride (Chloro-ethane)	Ethylene dichloride (Dichloro-ethane, 1,2-)	Heptane, N-	Hexachloro-butadiene	Hexane	2-Hexanone	Isopropyl-benzene (Cumene)	4-Methyl-2-pentanone	Methyl tert-Butyl Ether (MTBE)
(ft)	(m)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3	0.91	1.76E-03	2.14E-03	2.40E-03	1.86E-03	1.49E-03	1.49E-03	5.72E-03	1.78E-03	2.46E-03	2.48E-04	1.54E-03	6.35E-04	1.74E-03	1.68E-03	1.54E-03	1.66E-03	2.04E-03

Calculated Tier 3 Soil Gas Remediation Objectives

Transport Distance (below assumed 7 foot basement depth)		Dichloro-ethane, 1,1-	Dichloro-ethylene, 1,1-	Dichloro-methane	Dichloro-propane, 1,2-	Dichloro-propene, 1,3-cis	Dichloro-propene, 1,3-trans	Dioxane, 1,4-	Ethyl-benzene	Ethyl Chloride (Chloro-ethane)	Ethylene dichloride (Dichloro-ethane, 1,2-)	Heptane, N-	Hexachloro-butadiene	Hexane	2-Hexanone	Isopropyl-benzene (Cumene)	4-Methyl-2-pentanone	Methyl tert-Butyl Ether (MTBE)
(ft)	(m)	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
3	0.91	8.63E-01	9.78E+01	1.01E+02	3.54E-02	4.09E-01	4.09E-01	8.51E-02	5.46E-01	4.22E+03	3.77E-01	2.70E+02	1.75E-01	4.20E+02	1.87E+01	2.70E+02	1.88E+03	4.58E+00

Calculated Tier 3 LDN Screening Values

Transport Distance (below assumed 7 foot basement depth)		Dichloro-ethane, 1,1-	Dichloro-ethylene, 1,1-	Dichloro-methane	Dichloro-propane, 1,2-	Dichloro-propene, 1,3-cis	Dichloro-propene, 1,3-trans	Dioxane, 1,4-	Ethyl-benzene	Ethyl Chloride (Chloro-ethane)	Ethylene dichloride (Dichloro-ethane, 1,2-)	Heptane, N-	Hexachloro-butadiene	Hexane	2-Hexanone	Isopropyl-benzene (Cumene)	4-Methyl-2-pentanone	Methyl tert-Butyl Ether (MTBE)
(ft)	(m)	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
3	0.91	0.90	98	100	0.035	0.4	0.4	0.10	0.55	4200	0.38	270	0.20	420	19	270	1900	4.6

C_v^{sat} Values	1,300,000	3,300,000	2,000,000	320,000	210,000	210,000	190,000	59,000	3,600,000	440,000	260,000	3,200	730,000	65,000	30,000	110,000	1,200,000

APPENDIX 2-B, TABLE 1
LITTLE, DAISEY, NAZAROFF MODEL INPUT PARAMETERS AND CALCULATIONS (RESIDENTIAL)

NOTES:
Little, Daisey, Nazaroff Model
Chemical Properties Sources :
USEPA RSL Chemical Specific Parameters in *Blue*, all others provided in TACO, Appendix C, Table E

			CAS:	91-20-3	67-63-0	103-65-1	100-42-5	79-34-5	127-18-4	109-99-9	108-88-3	120-82-1	71-55-6	79-00-5	79-01-6	76-13-1	95-63-6	108-67-8	75-01-4	108-38-3
			Chemical:	Naphthalene	2-Propanol (Isopropanol)	n-Propyl-benzene	Styrene	Tetrachloro-ethane, 1,1,2,2-	Tetrachloro-ethene	Tetrahydro-furan	Toluene	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-1,2,2-trifluoro-ethane, 1,1,2- (Freon 113)	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Vinyl Chloride	m-Xylenes
	Symbol	Definition	Units																	
TACO Values	RO_IA	Indoor Air RO	mg/m3	7.16E-05	2.09E-01	1.04E+00	1.04E+00	4.20E-05	9.36E-03	2.09E+00	5.21E+00	2.09E-03	5.21	1.52E-04	5.93E-04	5.21E+00	6.26E-02	6.26E-02	2.80E-04	1.04E-01
Chemical Properties	MW	Molecular Weight	g/mol	*1.28E+02*	*6.01E+01*	*1.20E+02*	*1.04E+02*	*167.85*	*1.66E+02*	*7.21E+01*	*9.21E+01*	*181.45*	*133.41*	*133.41*	*1.31E+02*	*187.38*	*1.20E+02*	*1.20E+02*	*62.50*	*1.06E+02*
	Da	Diffusivity in Air	cm2/sec	5.90E-02	*1.03E-01*	*6.02E-02*	7.10E-02	*4.89E-02*	7.20E-02	*9.94E-02*	8.70E-02	3.00E-02	7.80E-02	7.80E-02	7.90E-02	*3.76E-02*	*6.07E-02*	*6.02E-02*	*0.11*	7.00E-02
	Dw	Diffusivity in Water	cm2/sec	7.50E-06	*1.12E-05*	*7.83E-06*	8.00E-06	*9.29E-06*	8.20E-06	*1.08E-05*	8.60E-06	8.23E-06	8.80E-06	8.80E-06	9.10E-06	*8.59E-06*	*7.92E-06*	*7.84E-06*	*1.20E-05*	7.80E-06
	H'	Henry's Law Constant	unitless	8.29E-03	*3.31E-04*	*4.29E-01*	5.48E-03	*0.015*	4.00E-01	*2.88E-03*	1.49E-01	2.38E-02	4.21E-01	1.98E-02	2.41E-01	*21.504*	*2.52E-01*	*3.59E-01*	*1.14E+00*	1.52E-01
	H	"	atm-m3/mol	*1.97E-02*	*8.10E-06*	*1.05E-02*	*2.75E-03*	*3.67E-04*	*1.77E-02*	*7.05E-05*	*6.64E-03*	*1.42E-03*	*1.72E-02*	*8.24E-04*	*9.85E-03*	*5.26E-01*	*6.16E-03*	*8.77E-03*	*2.78E-02*	*7.18E-03*
	S	Water Solubility	mg/L	3.10E+01	*1.00E+06*	*5.22E+01*	3.10E+02	*2.83E+03*	2.00E+02	*1.00E+06*	5.30E+02	3.50E+01	1.30E+03	4.40E+03	1.50E+03	*1.70E+02*	*5.70E+01*	*4.82E+01*	*8.80E+03*	1.60E+02
	Koc	Organic carbon partition	cm3/g	500	*1.53*	*813.1*	316	*94.94*	631	*10.75*	158	1580	126	50.1	100	*196.8*	*614.3*	*602.1*	*21.73*	398
	P	Vapor Pressure	mm Hg	8.50E-02	*45.42*	*3.42*	6.1	*4.62*	19	*162.2*	28	0.43	120	23	73	*362.5*	*2.1*	*2.48*	*2,980*	8.5
Soil Properties	T	Temperature	°C	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	"	"	°K	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
	θt	Total porosity	unitless	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
	θw	Water-filled porosity	unitless	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	θa	Air-filled porosity	unitless	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Building Dimensions	L	Length	m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	W	Width	m	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	H	Ceiling height	m	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
	A	Slab Footprint	m2	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Vbldg	Internal volume	m3	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244
Building Ventilation	AER	Air changes per hour	hr^{-1}	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
	Qbldg	Air flow rate	m3/hr	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
Millington-Quirk Relationship	D_e	effective diffusivity	cm^2/sec	0.0046	0.0084	0.0047	0.0056	0.0038	0.0056	0.0078	0.0068	0.0023	0.0061	0.0061	0.0062	0.0029	0.0047	0.0047	0.0084	0.0055
	D_e	effective diffusivity	m^2/hr	0.0017	0.0030	0.0017	0.0020	0.0014	0.0020	0.0028	0.0024	0.0008	0.0022	0.0022	0.0022	0.0011	0.0017	0.0017	0.0030	0.0020
	Da	diffusivity in air	cm^2/sec	0.059	0.103	0.060	0.071	0.049	0.072	0.099	0.087	0.030	0.078	0.078	0.079	0.038	0.061	0.060	0.107	0.070
	q_a	air-filled porosity of soil	vol/vol	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
	q_t	total porosity of soil	vol/vol	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43

Calculated Tier 3 Soil Gas Attenuation Factors

Transport Distance (below assumed 7 foot basement depth)		Naphthalene	2-Propanol (Isopropanol)	n-Propyl-benzene	Styrene	Tetrachloro-ethane, 1,1,2,2-	Tetrachloro-ethene	Tetrahydro-furan	Toluene	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-1,2,2-trifluoro-ethane, 1,1,2- (Freon 113)	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Vinyl Chloride	m-Xylenes
(ft)	(m)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3	0.91	1.40E-03	2.55E-03	1.43E-03	1.69E-03	1.16E-03	1.71E-03	2.37E-03	2.07E-03	7.13E-04	1.85E-03	1.85E-03	1.88E-03	8.92E-04	1.44E-03	1.43E-03	2.54E-03	1.66E-03

Calculated Tier 3 Soil Gas Remediation Objectives

Transport Distance (below assumed 7 foot basement depth)		Naphthalene	2-Propanol (Isopropanol)	n-Propyl-benzene	Styrene	Tetrachloro-ethane, 1,1,2,2-	Tetrachloro-ethene	Tetrahydro-furan	Toluene	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-1,2,2-trifluoro-ethane, 1,1,2- (Freon 113)	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Vinyl Chloride	m-Xylenes
(ft)	(m)	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
3	0.91	5.10E-02	8.19E+01	7.28E+02	6.15E+02	3.61E-02	5.47E+00	8.82E+02	2.52E+03	2.93E+00	2.81E+03	8.20E-02	3.16E-01	5.84E+03	4.34E+01	4.38E+01	1.10E-01	6.26E+01

Calculated Tier 3 LDN Screening Values

Transport Distance (below assumed 7 foot basement depth)		Naphthalene	2-Propanol (Isopropanol)	n-Propyl-benzene	Styrene	Tetrachloro-ethane, 1,1,2,2-	Tetrachloro-ethene	Tetrahydro-furan	Toluene	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-1,2,2-trifluoro-ethane, 1,1,2- (Freon 113)	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Vinyl Chloride	m-Xylenes
(ft)	(m)	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
3	0.91	0.05	82	730	620	0.036	5.5	880	2500	2.9	2800	0.1	0.32	5800	43	44	0.1	63
C_v^{sat} Values		620	150,000	23,000	34,000	43,000	180,000	630,000	140,000	4,400	870,000	170,000	530,000	3,800,000	14,000	17,000	11,000,000	52,000

APPENDIX 2-B, TABLE 1
LITTLE, DAISEY, NAZAROFF MODEL INPUT PARAMETERS AND CALCULATIONS (RESIDENTIAL)

NOTES:
Little, Daisey, Nazaroff Model
Chemical Properties Sources :
USEPA RSL Chemical Specific Parameters in *Blue*, all others provided in TACO, Appendix C, Table E

			CAS:	106-42-3	95-47-6	
			Chemical:	p-Xylenes	o-Xylenes	
	Symbol	Definition	Units			Comments
TACO Values	RO_IA	Indoor Air RO	mg/m3	1.04E-01	1.04E-01	
Chemical Properties	MW	Molecular Weight	g/mol	*1.06E+02*	*1.06E+02*	USEPA RSL Chemical Specific Parameters in *Blue*,
	Da	Diffusivity in Air	cm2/sec	7.69E-02	8.70E-02	all others provided in TACO, Appendix C, Table E
	Dw	Diffusivity in Water	cm2/sec	8.44E-06	1.00E-05	
	H'	Henry's Law Constant	unitless	1.59E-01	1.07E-01	at 13 deg C / at 25 deg C
	H	"	atm-m3/mol	*6.90E-03*	*5.18E-03*	at 25 deg C
	S	Water Solubility	mg/L	1.60E+02	1.80E+02	
	Koc	Organic carbon partition	cm3/g	316	316	
	P	Vapor Pressure	mm Hg	8.9	6.6	
Soil Properties	T	Temperature	°C	13	13	TACO, Appendix C, Table M J&E Parameters
	"	"	°K	286	286	TACO, Appendix C, Table M J&E Parameters
	θt	Total porosity	unitless	0.43	0.43	TACO, Appendix C, Table M J&E Parameters
	θw	Water-filled porosity	unitless	0.15	0.15	TACO, Appendix C, Table M J&E Parameters
	θa	Air-filled porosity	unitless	0.28	0.28	TACO, Appendix C, Table M J&E Parameters
Building Dimensions	L	Length	m	10.0	10.0	= 100 cm
	W	Width	m	10.0	10.0	= 100 cm
	H	Ceiling height	m	2.44	2.44	= 244 cm
	A	Slab Footprint	m2	100	100	= L x W
	Vbldg	Internal volume	m3	244	244	= L x W x H
Building Ventilation	AER	Air changes per hour	hr^{-1}	0.53	0.53	TACO, Appendix C, Table M J&E Parameters
	Qbldg	Air flow rate	m3/hr	129	129	=4564 ft3/hr
Millington-Quirk Relationship	D_e	effective diffusivity	cm^2/sec	0.0060	0.0068	TACO, Appendix C, Table C RBCA Equation R6
	D_e	effective diffusivity	m^2/hr	0.0022	0.0024	
	Da	diffusivity in air	cm^2/sec	0.077	0.087	
	q_a	air-filled porosity of soil	vol/vol	0.28	0.28	
	q_t	total porosity of soil	vol/vol	0.43	0.43	

Calculated Tier 3 Soil Gas Attenuation Factors

Transport Distance (below assumed 7 foot basement depth)		p-Xylenes	o-Xylenes
(ft)	(m)	--	--
3	0.91	1.83E-03	2.07E-03

Calculated Tier 3 Soil Gas Remediation Objectives

Transport Distance (below assumed 7 foot basement depth)		p-Xylenes	o-Xylenes
(ft)	(m)	mg/m3	mg/m3
3	0.91	5.69E+01	5.03E+01

Calculated Tier 3 LDN Screening Values

Transport Distance (below assumed 7 foot basement depth)		p-Xylenes	o-Xylenes	
(ft)	(m)	mg/m3	mg/m3	
3	0.91	57	50	Tier 3 Screening Criteria
C_v^{sat} Values		55,000	41,000	TACO Default Value or Calculated using J&E Equation 5

APPENDIX 2-B, TABLE 2
INDOOR AIR CALCULATIONS (RESIDENTIAL)

Indoor Air Calculations
TACO J&E Equations

Village of Roxana Study Site
Roxana, IL

Equations: J&E1

$$RO_{indoor\ air} = \frac{TR \times AT_c \times 365\frac{days}{yr}}{ED \times EF \times URF \times 1000\frac{\mu g}{mg}}$$

J&E2

$$RO_{indoor\ air} = \frac{THQ \times AT_{nc} \times 365\frac{days}{yr} \times RfC}{ED \times EF}$$

Where: AT = Averaging time for non-carcinogenic effects (year)
AT_c = Averaging time for carcinogenic effects (year)
CF1 = Conversion factor (365 days/year)
CF2 = Conversion factor (1000 ug/mg)
ED = Exposure duration (years)
EF = Exposure frequency (days/year)
RfC = Reference concentraiton (ug/m^3)
URF = Unit risk factor $(ug/m^3)^{-1}$
THQ = Target Hazard Quotient (unitless)
TR = Target Risk (unitless)

Chemical	Carcinogenic or Non-Carcinogenic	TR unitless	THQ unitless	AT_c year	AT year	CF1 days/year	CF2 ug/mg	ED year	EF days/year	URF $(ug/m^3)^{-1}$	RfC mg/m3	TACO Tier 1 Resident Indoor Air Remediation Objective	
												Carcinogenic	Non-Carcinogenic
												mg/m^3	
Acetone	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		3.1E+01		3.23E+01
Benzene	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	7.80E-06	3.00E-02	3.12E-04	3.13E-02
Benzyl chloride (Alpha chlorotoluene)	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	4.9E-05	1.0E-03	4.97E-05	1.04E-03
Bromodichloromethane	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	3.7E-05		6.58E-05	
Bromoform	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	1.1E-06		2.21E-03	
Bromomethane	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		5.0E-03		5.21E-03
Butadiene, 1,3-	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	3.0E-05	2.0E-03	8.11E-05	2.09E-03
2-Butanone (Methyl Ethyl Ketone)	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		5.0E+00		5.21E+00
Carbon Disulfide	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		7.00E-01		7.30E-01
Carbon Tetrachloride	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	6.0E-06	1.0E-01	4.06E-04	1.04E-01
Chlorobenzene	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		5.0E-02		5.21E-02
Chloroform	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	2.3E-05	9.8E-02	1.06E-04	1.02E-01
Chloromethane (Methyl chloride)(R-40)	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		9.0E-02		9.39E-02
Cyclohexane	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		6.00E+00		6.26E+00
Dibromoethane, 1,2-	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	6.0E-04	9.0E-03	4.06E-06	9.39E-03
Dichlorobenzene, 1,2-	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		2.0E-01		2.09E-01
Dichlorobenzene, 1,4-	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	1.1E-05	8.0E-01	2.21E-04	8.34E-01
Dichlorodifluoromethane	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		1.0E-01		1.04E-01
Dichloroethane, 1,1-	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	1.6E-06		1.52E-03	
Dichloroethylene, 1,1-	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		2.0E-01		2.09E-01
(Dichloromethane) Methylene Chloride	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	1.0E-08	6.0E-01	2.43E-01	6.26E-01
Dichloropropane, 1,2-	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	3.7E-05	4.0E-03	6.58E-05	4.17E-03
Dichloropropene, 1,3-	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	4.0E-06	2.0E-02	6.08E-04	2.09E-02
Dioxane, 1,4-	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	5.0E-06	3.0E-02	4.87E-04	3.13E-02
Ethylbenzene	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	2.50E-06	1.00E+00	9.73E-04	1.04E+00
Ethyl chloride (Chloroethane)	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		1.0E+01		1.04E+01
(Ethylene dichloride) Dichloroethane, 1,2-	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	2.6E-05	7.0E-03	9.36E-05	7.30E-03
Heptane	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		4.0E-01		4.17E-01
Hexachlorobutadiene	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	2.2E-05		1.11E-04	
Hexane	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		7.00E-01		7.30E-01
Hexanone, 2- (Methyl n-butyl ketone)	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		3.00E-02		3.13E-02
Isopropylbenzene (Cumene)	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		4.00E-01		4.17E-01

APPENDIX 2-B, TABLE 2
INDOOR AIR CALCULATIONS (RESIDENTIAL)

Chemical	Carcinogenic or Non-Carcinogenic	TR unitless	THQ unitless	AT_c year	AT year	CF1 days/year	CF2 ug/mg	ED year	EF days/year	URF $(ug/m^3)^{-1}$	RfC mg/m3	TACO Tier 1 Resident Indoor Air Remediation Objective	
												Carcinogenic	Non-Carcinogenic
												mg/m^3	
Pentanone, 4-Methyl-2- (Methyl Isobutyl Ketone)	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		3.00E+00		3.13E+00
Methyl tert-Butyl Ether (MTBE)	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	2.6E-07	3.0E+00	9.36E-03	3.13E+00
Naphthalene	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	3.40E-05	3.00E-03	7.16E-05	3.13E-03
2-propanol (Isopropyl alcohol)	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		2.0E-01		2.09E-01
Propylbenzene, n-	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		1.00E+00		1.04E+00
Styrene	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		1.00E+00		1.04E+00
1,1,2,2-tetrachloroethane	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	5.8E-05		4.20E-05	
Tetrachloroethylene	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	2.6E-07	4.0E-02	9.36E-03	4.17E-02
Tetrahydrofuran	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		2.00E+00		2.09E+00
Toluene	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		5.0E+00		5.21E+00
Trichlorobenzene, 1,2,4-	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		2.0E-03		2.09E-03
Trichloroethane, 1,1,1-	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		5.0E+00		5.21E+00
Trichloroethane, 1,1,2-	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	1.6E-05	2.0E-04	1.52E-04	2.09E-04
Trichloroethylene	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	4.1E-06	2.0E-03	5.93E-04	2.09E-03
Trimethylbenzene, 1,2,4-	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		6.00E-02		6.26E-02
1,1,2-Trichloro-1,2,2-trifluo. (Freon 113)	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		5.0E+00		5.21E+00
Trimethylbenzene, 1,3,5-	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		6.0E-02		6.26E-02
Vinyl Chloride	Carcinogenic	1.00E-06	1	70	30	365	1000	30	350	8.8E-06	1.0E-01	2.77E-04	1.04E-01
Xylene, m-	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		1.0E-01		1.04E-01
Xylene, P-	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		1.0E-01		1.04E-01
Xylenes, o-	Non-carcinogenic	1.00E-06	1	70	30	365	1000	30	350		1.00E-01		1.04E-01

Toxicity data used from USEPA RSL website, last updated June 2017.

APPENDIX 2-B, TABLE 3
LITTLE, DAISEY, NAZAROFF MODEL INPUT PARAMETERS AND CALCULATIONS (CONSTRUCTION WORKER)

NOTES:
Little, Daisey, Nazaroff Model
Chemical Properties Sources :
USEPA RSL Chemical Specific Parameters in *Blue*, all others provided in TACO, Appendix C, Table E

	Symbol	Definition	Units	CAS: / Chemical:	67-64-1 Acetone	71-43-2 Benzene	100-44-7 Benzyl Chloride	75-27-4 Bromo-dichloro-methane	75-25-2 Bromoform	74-83-9 Bromomethane	106-99-0 Butadiene, 1,3-	78-93-3 2-Butanone (Methyl Ethyl Ketone)	75-15-0 Carbon Disulfide	56-23-5 Carbon Tetrachloride	108-90-7 Chlorobenzene	67-66-3 Chloroform	74-87-3 Chloro-methane	110-82-7 Cyclo-hexane	106-93-4 Dibromo-ethane, 1,2-	95-50-1 Dichloro-benzene, 1,2-	106-46-7 Dichloro-benzene, 1,4-
USEPA Values	RO_CW	Industrial Air RO	mg/m3		1.13E+03	3.28E-01	5.21E-02	6.91E-02	2.32E+00	3.65E+00	7.30E-02	3.65E+01	2.56E+01	4.26E-01	1.83E+01	1.11E-01	1.10E+02	6.57E+02	4.26E-03	7.30E+01	2.32E-01
Chemical Properties	MW	Molecular Weight	g/mol		*5.81E+01*	*7.81E+01*	*126.59*	*1.64E+02*	*252.73*	*94.94*	*54.09*	*7.21E+01*	*7.61E+01*	*153.82*	*112.56*	*1.19E+02*	*5.05E+01*	*8.42E+01*	*187.86*	*147.00*	*147.00*
	Da	Diffusivity in Air	cm2/sec		1.24E-01	8.80E-02	*6.34E-02*	5.61E-02	1.49E-02	7.28E-02	*1.00E-01*	8.08E-02	1.04E-01	7.80E-02	7.30E-02	1.04E-01	*1.24E-01*	*8.00E-02*	4.37E-02	6.90E-02	6.90E-02
	Dw	Diffusivity in Water	cm2/sec		1.14E-05	1.02E-05	*8.81E-06*	1.06E-05	1.03E-05	1.21E-05	*1.03E-05*	9.80E-06	1.00E-05	8.80E-06	8.70E-06	1.00E-05	*1.36E-05*	*9.11E-06*	8.44E-06	7.90E-06	7.90E-06
	H'	Henry's Law Constant	unitless		9.73E-04	1.34E-01	*0.017*	3.71E-02	1.06E-02	1.79E-01	*3.009*	1.32E-03	8.06E-01	7.48E-01	7.93E-02	1.50E-01	*3.61E-01*	*6.13E+00*	1.54E-02	3.56E-02	4.69E-02
	H	"	atm-m3/mol		*3.50E-05*	*5.55E-03*	*4.12E-04*	*2.12E-03*	*5.35E-04*	*7.34E-03*	*7.36E-02*	*5.69E-05*	*1.44E-02*	*2.76E-02*	*3.11E-03*	*3.67E-03*	*8.82E-03*	*1.50E-01*	*6.50E-04*	*1.92E-03*	*2.41E-03*
	S	Water Solubility	mg/L		1.00E+06	1.80E+03	*5.25E+02*	6.70E+03	3.10E+03	1.50E+04	*7.35E+02*	2.20E+05	1.20E+03	7.90E+02	4.70E+02	7.90E+03	*5.32E+03*	*5.50E+01*	4.00E+03	1.56E+02	7.90E+01
	Koc	Organic carbon partition	cm3/g		0.78	50	*446.1*	50	91.2	10	*39.6*	2	63	200	200	50	*13.22*	*145.8*	50	575	790
	P	Vapor Pressure	mm Hg		230	95	*1.23*	50	5.51	1620	*2107*	95	360	120	12	200	*4,300*	*96.86*	13	1.36	1
Soil Properties	T	Temperature	°C		13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	"	"	°K		286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
	θt	Total porosity	unitless		0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
	θw	Water-filled porosity	unitless		0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	θa	Air-filled porosity	unitless		0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Building Dimensions	L	Length	m		2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	W	Width	m		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	H	Ceiling height	m		4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
	A	Slab Footprint	m2		2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	Vbldg	Internal volume	m3		10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
Building Ventilation	AER	Air changes per hour	hr^{-1}		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	Qbldg	Air flow rate	m3/hr		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Millington-Quirk Relationship	D_e	effective diffusivity	cm^2/sec		0.0098	0.0069	0.0049	0.0044	0.0012	0.0057	0.0078	0.0064	0.0081	0.0061	0.0057	0.0081	0.0097	0.0062	0.0034	0.0054	0.0054
	D_e	effective diffusivity	m^2/hr		0.0035	0.0025	0.0018	0.0016	0.0004	0.0020	0.0028	0.0023	0.0029	0.0022	0.0021	0.0029	0.0035	0.0022	0.0012	0.0019	0.0019
	Da	diffusivity in air	cm^2/sec		0.124	0.088	0.063	0.056	0.015	0.073	0.100	0.081	0.104	0.078	0.073	0.104	0.124	0.080	0.044	0.069	0.069
	q_a	air-filled porosity of soil	vol/vol		0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
	q_t	total porosity of soil	vol/vol		0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43

Calculated Tier 3 Soil Gas Attenuation Factors

Transport Distance (assumed 5 feet below 15 foot trench) (ft)	(m)	Acetone	Benzene	Benzyl Chloride	Bromo-dichloro-methane	Bromoform	Bromomethane	Butadiene, 1,3-	2-Butanone (Methyl Ethyl Ketone)	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroform	Chloro-methane	Cyclo-hexane	Dibromo-ethane, 1,2-	Dichloro-benzene, 1,2-	Dichloro-benzene, 1,4-
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5	1.52	2.53E-04	1.77E-04	1.28E-04	1.13E-04	3.03E-05	1.47E-04	2.02E-04	1.65E-04	2.10E-04	1.57E-04	1.47E-04	2.10E-04	2.50E-04	1.61E-04	8.82E-05	1.39E-04	1.39E-04

Calculated Tier 3 Soil Gas Remediation Objectives

Transport Distance (assumed 5 feet below 15 foot trench) (ft)	(m)	Acetone mg/m3	Benzene mg/m3	Benzyl Chloride mg/m3	Bromo-dichloro-methane mg/m3	Bromoform mg/m3	Bromomethane mg/m3	Butadiene, 1,3- mg/m3	2-Butanone (Methyl Ethyl Ketone) mg/m3	Carbon Disulfide mg/m3	Carbon Tetrachloride mg/m3	Chlorobenzene mg/m3	Chloroform mg/m3	Chloro-methane mg/m3	Cyclo-hexane mg/m3	Dibromo-ethane, 1,2- mg/m3	Dichloro-benzene, 1,2- mg/m3	Dichloro-benzene, 1,4- mg/m3
5	1.52	4.47E+06	1.85E+03	4.08E+02	6.11E+02	7.66E+04	2.49E+04	3.61E+02	2.22E+05	1.22E+05	2.71E+03	1.24E+05	5.30E+02	4.40E+05	4.08E+06	4.83E+01	5.25E+05	1.67E+03

Calculated Tier 3 LDN Screening Values

Transport Distance (assumed 5 feet below 15 foot trench) (ft)	(m)	Acetone mg/m3	Benzene mg/m3	Benzyl Chloride mg/m3	Bromo-dichloro-methane mg/m3	Bromoform mg/m3	Bromomethane mg/m3	Butadiene, 1,3- mg/m3	2-Butanone (Methyl Ethyl Ketone) mg/m3	Carbon Disulfide mg/m3	Carbon Tetrachloride mg/m3	Chlorobenzene mg/m3	Chloroform mg/m3	Chloro-methane mg/m3	Cyclo-hexane mg/m3	Dibromo-ethane, 1,2- mg/m3	Dichloro-benzene, 1,2- mg/m3	Dichloro-benzene, 1,4- mg/m3
5	1.52	4,500,000	1,800	410	610	77,000	25,000	360	220,000	120,000	2,700	120,000	530	440,000	4,100,000	48	520,000	1,700
C_v^{sat} Values		750,000	420,000	8,700	450,000	78,000	8,600,000	6400000	380,000	1,500,000	1,000,000	74,000	1,300,000	12,000,000	460,000	140000.00	11,000	8,400

APPENDIX 2-B, TABLE 3
LITTLE, DAISEY, NAZAROFF MODEL INPUT PARAMETERS AND CALCULATIONS (CONSTRUCTION WORKER)

NOTES:
Little, Daisey, Nazaroff Model
Chemical Properties Sources :
USEPA RSL Chemical Specific Parameters in *Blue*, all others provided in TACO, Appendix C, Table E

	Symbol	Definition	Units	CAS:	75-71-8	75-34-3	75-35-4	75-09-2	78-87-5	542-75-6	542-75-6	123-91-1	100-41-4	75-00-3	107-06-2	142-82-5	87-68-3	110-54-3	591-78-6	98-82-8	108-10-1	1634-04-4
				Chemical:	Dichloro-difluoro-methane	Dichloro-ethane, 1,1-	Dichloro-ethylene, 1,1-	Dichloro-methane (Methylene Chloride)	Dichloro-propane, 1,2-	Dichloro-propene, 1,3-cis	Dichloro-propene, 1,3-trans	Dioxane, 1,4-	Ethyl-benzene	Ethyl Chloride (Chloro-ethane)	Ethylene dichloride (Dichloro-ethane, 1,2-)	Heptane, N-	Hexachloro-butadiene	Hexane	2-Hexanone	Isopropyl-benzene (Cumene)	4-Methyl-2-pentanone	Methyl tert-Butyl Ether (MTBE)
USEPA Values	RO_CW	Industrial Air RO	mg/m3		3.65E+01	1.60E+00	2.89E+00	3.80E+01	6.91E-01	6.39E-01	6.39E-01	5.11E-01	1.02E+00	1.46E+02	9.83E-02	1.46E+02	1.16E-01	7.30E+01	1.10E+00	3.29E+00	2.92E+01	9.83E+00
Chemical Properties	MW	Molecular Weight	g/mol		*1.21E+02*	*98.96*	*96.94*	*8.49E+01*	*112.99*	*110.97*	*110.97*	*88.11*	*1.06E+02*	*64.52*	*98.96*	100.21	*260.76*	*8.62E+01*	*1.00E+02*	*1.20E+02*	*1.00E+02*	*88.15*
	Da	Diffusivity in Air	cm2/sec		7.60E-02	7.42E-02	9.00E-02	1.01E-01	7.82E-02	6.26E-02	6.26E-02	2.29E-01	7.50E-02	*1.04E-01*	1.04E-02	6.49E-02	*2.67E-02*	*7.31E-02*	*7.04E-02*	6.50E-02	*6.98E-02*	8.59E-02
	Dw	Diffusivity in Water	cm2/sec		1.08E-05	1.05E-05	1.04E-05	1.17E-05	8.73E-06	1.00E-05	1.00E-05	1.02E-05	7.80E-06	*1.16E-05*	9.90E-06	7.59E-06	*7.03E-06*	*8.17E-06*	*8.44E-06*	7.10E-06	*8.35E-06*	1.10E-05
	H'	Henry's Law Constant	unitless		8.14E+00	1.42E-01	7.10E-01	5.70E-02	6.52E-02	3.98E-01	3.98E-01	1.07E-04	1.64E-01	*0.454*	2.29E-02	81.766	*0.421*	*7.36E+01*	*3.81E-03*	2.10E+01	*5.64E-03*	1.50E-02
	H	"	atm-m3/mol		*3.43E-01*	*5.62E-03*	*2.61E-02*	*3.25E-03*	*2.82E-03*	*3.55E-03*	*3.55E-03*	*4.80E-06*	*7.88E-03*	*1.11E-02*	*1.18E-03*	2.00E+00	*1.03E-02*	*1.80E+00*	*9.32E-05*	*1.15E-02*	*1.38E-04*	*5.87E-04*
	S	Water Solubility	mg/L		2.80E+02	5.10E+03	2.30E+03	1.30E+04	2.80E+03	2.80E+03	2.80E+03	1.00E+06	1.70E+02	*6.71E+03*	8.50E+03	3.40E+00	*3.20E+00*	*9.50E+00*	*1.72E+04*	6.10E+01	*1.90E+04*	5.10E+04
	Koc	Organic carbon partition	cm3/g		61.7	32	50	13	50	20	20	0.72	320	*21.73*	20	239.7	*845.2*	*131.5*	*14.98*	1020	*12.6*	10.00
	P	Vapor Pressure	mm Hg		4,850	230	600	430	52	34	34	38.1	9.6	*1008*	79	46	*0.22*	*151.3*	*11.6*	4.5	*19.86*	250
Soil Properties	T	Temperature	°C		13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	"	"	°K		286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
	θt	Total porosity	unitless		0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
	θw	Water-filled porosity	unitless		0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	θa	Air-filled porosity	unitless		0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Building Dimensions	L	Length	m		2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	W	Width	m		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	H	Ceiling height	m		4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
	A	Slab Footprint	m2		2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	Vbldg	Internal volume	m3		10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
Building Ventilation	AER	Air changes per hour	hr^{-1}		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	Qbldg	Air flow rate	m3/hr		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Millington-Quirk Relationship	D_e	effective diffusivity	cm^2/sec		0.0059	0.0058	0.0070	0.0079	0.0061	0.0049	0.0049	0.0188	0.0059	0.0081	0.0008	0.0051	0.0021	0.0057	0.0055	0.0051	0.0055	0.0067
	D_e	effective diffusivity	m^2/hr		0.0021	0.0021	0.0025	0.0028	0.0022	0.0018	0.0018	0.0068	0.0021	0.0029	0.0003	0.0018	0.0008	0.0021	0.0020	0.0018	0.0020	0.0024
	Da	diffusivity in air	cm^2/sec		0.076	0.074	0.090	0.101	0.078	0.063	0.063	0.229	0.075	0.104	0.010	0.065	0.027	0.073	0.070	0.065	0.070	0.086
	q_a	air-filled porosity of soil	vol/vol		0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
	q_t	total porosity of soil	vol/vol		0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43

Calculated Tier 3 Soil Gas Attenuation Factors

Transport Distance (assumed 5 feet below 15 foot trench) (ft)	(m)	Dichloro-difluoro-methane	Dichloro-ethane, 1,1-	Dichloro-ethylene, 1,1-	Dichloro-methane (Methylene Chloride)	Dichloro-propane, 1,2-	Dichloro-propene, 1,3-cis	Dichloro-propene, 1,3-trans	Dioxane, 1,4-	Ethyl-benzene	Ethyl Chloride (Chloro-ethane)	Ethylene dichloride (Dichloro-ethane, 1,2-)	Heptane, N-	Hexachloro-butadiene	Hexane	2-Hexanone	Isopropyl-benzene (Cumene)	4-Methyl-2-pentanone	Methyl tert-Butyl Ether (MTBE)
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5	1.52	1.53E-04	1.50E-04	1.81E-04	2.04E-04	1.58E-04	1.26E-04	1.26E-04	4.85E-04	1.51E-04	2.09E-04	2.11E-05	1.31E-04	5.39E-05	1.47E-04	1.42E-04	1.31E-04	1.41E-04	1.73E-04

Calculated Tier 3 Soil Gas Remediation Objectives

Transport Distance (assumed 5 feet below 15 foot trench) (ft)	(m)	Dichloro-difluoro-methane	Dichloro-ethane, 1,1-	Dichloro-ethylene, 1,1-	Dichloro-methane (Methylene Chloride)	Dichloro-propane, 1,2-	Dichloro-propene, 1,3-cis	Dichloro-propene, 1,3-trans	Dioxane, 1,4-	Ethyl-benzene	Ethyl Chloride (Chloro-ethane)	Ethylene dichloride (Dichloro-ethane, 1,2-)	Heptane, N-	Hexachloro-butadiene	Hexane	2-Hexanone	Isopropyl-benzene (Cumene)	4-Methyl-2-pentanone	Methyl tert-Butyl Ether (MTBE)
		mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
5	1.52	2.38E+05	1.07E+04	1.59E+04	1.87E+05	4.38E+03	5.07E+03	5.07E+03	1.05E+03	6.75E+03	6.98E+05	4.67E+03	1.12E+06	2.15E+03	4.96E+05	7.73E+03	2.51E+04	2.07E+05	5.67E+04

Calculated Tier 3 LDN Screening Values

Transport Distance (assumed 5 feet below 15 foot trench) (ft)	(m)	Dichloro-difluoro-methane mg/m3	Dichloro-ethane, 1,1- mg/m3	Dichloro-ethylene, 1,1- mg/m3	Dichloro-methane (Methylene Chloride) mg/m3	Dichloro-propane, 1,2- mg/m3	Dichloro-propene, 1,3-cis mg/m3	Dichloro-propene, 1,3-trans mg/m3	Dioxane, 1,4- mg/m3	Ethyl-benzene mg/m3	Ethyl Chloride (Chloro-ethane) mg/m3	Ethylene dichloride (Dichloro-ethane, 1,2-) mg/m3	Heptane, N- mg/m3	Hexachloro-butadiene mg/m3	Hexane mg/m3	2-Hexanone mg/m3	Isopropyl-benzene (Cumene) mg/m3	4-Methyl-2-pentanone mg/m3	Methyl tert-Butyl Ether (MTBE) mg/m3
5	1.52	240,000	11,000	16,000	190,000	4,400	5,100	5,100	1,100	6,700	700,000	4,700	1,100,000	2,200	500,000	7,700	25,000	210,000	57,000
C_v^{sat} Values		33,000,000	1,300,000	3,300,000	2,000,000	320000.00	210,000	210,000	190,000	59,000	3,600,000	440,000	260,000	3,200	730,000	65,000	30,000	110,000	1,200,000

APPENDIX 2-B, TABLE 3
LITTLE, DAISEY, NAZAROFF MODEL INPUT PARAMETERS AND CALCULATIONS (CONSTRUCTION WORKER)

NOTES:
Little, Daisey, Nazaroff Model
Chemical Properties Sources :
USEPA RSL Chemical Specific Parameters in *Blue*, all others provided in TACO, Appendix C, Table E

	CAS:	91-20-3	67-63-0	103-65-1	100-42-5	79-34-5	127-18-4	109-99-9	108-88-3	120-82-1	71-55-6	79-00-5	79-01-6	76-13-1	95-63-6	108-67-8	75-01-4	108-38-3
	Chemical:	Naphthalene	2-Propanol (Isopropanol)	n-Propyl-benzene	Styrene	Tetrachloro-ethane, 1,1,2,2-	Tetrachloro-ethene	Tetrahydro-furan	Toluene	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-1,2,2-trifluoro-ethane, 1,1,2- (Freon 113)	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Vinyl Chloride	m-Xylenes
USEPA Values	RO_CW	7.51E-02	2.56E+02	3.65E+01	1.10E+02	4.41E-02	1.46E+00	7.30E+01	1.83E+02	7.30E-01	1.83E+02	7.30E-02	7.30E-02	1.83E+03	7.30E+00	7.30E+00	5.81E-01	3.65E+00
Chemical Properties	MW	*1.28E+02*	*6.01E+01*	*1.20E+02*	*1.04E+02*	*167.85*	*1.66E+02*	*7.21E+01*	*9.21E+01*	*181.45*	*133.41*	*133.41*	*1.31E+02*	*187.38*	*1.20E+02*	*1.20E+02*	*62.50*	*1.06E+02*
	Da	5.90E-02	*1.03E-01*	*6.02E-02*	7.10E-02	*4.89E-02*	7.20E-02	*9.94E-02*	8.70E-02	3.00E-02	7.80E-02	7.80E-02	7.90E-02	*3.76E-02*	*6.07E-02*	*6.02E-02*	*0.11*	7.00E-02
	Dw	7.50E-06	*1.12E-05*	*7.83E-06*	8.00E-06	*9.29E-06*	8.20E-06	*1.08E-05*	8.60E-06	8.23E-06	8.80E-06	8.80E-06	9.10E-06	*8.59E-06*	*7.92E-06*	*7.84E-06*	*1.20E-05*	7.80E-06
	H'	8.29E-03	*3.31E-04*	*4.29E-01*	5.48E-03	*0.015*	4.00E-01	*2.88E-03*	1.49E-01	2.38E-02	4.21E-01	1.98E-02	2.41E-01	*21.504*	*2.52E-01*	*3.59E-01*	*1.14E+00*	1.52E-01
	H	*1.97E-02*	*8.10E-06*	*1.05E-02*	*2.75E-03*	*3.67E-04*	*1.77E-02*	*7.05E-05*	*6.64E-03*	*1.42E-03*	*1.72E-02*	*8.24E-04*	*9.85E-03*	*5.26E-01*	*6.16E-03*	*8.77E-03*	*2.78E-02*	*7.18E-03*
	S	3.10E+01	*1.00E+06*	*5.22E+01*	3.10E+02	*2.83E+03*	2.00E+02	*1.00E+06*	5.30E+02	3.50E+01	1.30E+03	4.40E+03	1.50E+03	*1.70E+02*	*5.70E+01*	*4.82E+01*	*8.80E+03*	1.60E+02
	Koc	500	*1.53*	*813.1*	316	*94.94*	631	*10.75*	158	1580	126	50.1	100	*196.8*	*614.3*	*602.1*	*21.73*	398
	P	8.50E-02	*45.42*	*3.42*	6.1	*4.62*	19	*162.2*	28	0.43	120	23	73	*362.5*	*2.1*	*2.48*	*2,980*	8.5
Soil Properties	T	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	"	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
	θt	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
	θw	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	θa	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Building Dimensions	L	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	W	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	H	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
	A	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	Vbldg	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
Building Ventilation	AER	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	Qbldg	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Millington-Quirk Relationship	D_e	0.0046	0.0084	0.0047	0.0056	0.0038	0.0056	0.0078	0.0068	0.0023	0.0061	0.0061	0.0062	0.0029	0.0047	0.0047	0.0084	0.0055
	D_e	0.0017	0.0030	0.0017	0.0020	0.0014	0.0020	0.0028	0.0024	0.0008	0.0022	0.0022	0.0022	0.0011	0.0017	0.0017	0.0030	0.0020
	Da	0.059	0.103	0.060	0.071	0.049	0.072	0.099	0.087	0.030	0.078	0.078	0.079	0.038	0.061	0.060	0.107	0.070
	q_a	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
	q_t	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43

Calculated Tier 3 Soil Gas Attenuation Factors

Transport Distance (assumed 5 feet below 15 foot trench)		Naphthalene	2-Propanol (Isopropanol)	n-Propyl-benzene	Styrene	Tetrachloro-ethane, 1,1,2,2-	Tetrachloro-ethene	Tetrahydro-furan	Toluene	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-1,2,2-trifluoro-ethane, 1,1,2- (Freon 113)	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Vinyl Chloride	m-Xylenes
(ft)	(m)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5	1.52	1.19E-04	2.17E-04	1.21E-04	1.43E-04	9.87E-05	1.45E-04	2.01E-04	1.75E-04	6.05E-05	1.57E-04	1.57E-04	1.59E-04	7.57E-05	1.22E-04	1.21E-04	2.16E-04	1.41E-04

Calculated Tier 3 Soil Gas Remediation Objectives

Transport Distance (assumed 5 feet below 15 foot trench)		Naphthalene	2-Propanol (Isopropanol)	n-Propyl-benzene	Styrene	Tetrachloro-ethane, 1,1,2,2-	Tetrachloro-ethene	Tetrahydro-furan	Toluene	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-1,2,2-trifluoro-ethane, 1,1,2- (Freon 113)	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Vinyl Chloride	m-Xylenes
(ft)	(m)	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
5	1.52	6.30E+02	1.18E+06	3.01E+05	7.67E+05	4.47E+02	1.01E+04	3.63E+05	1.04E+06	1.21E+04	1.16E+06	4.64E+02	4.59E+02	2.42E+07	5.97E+04	6.02E+04	2.69E+03	2.59E+04

Calculated Tier 3 LDN Screening Values

Transport Distance (assumed 5 feet below 15 foot trench)		Naphthalene	2-Propanol (Isopropanol)	n-Propyl-benzene	Styrene	Tetrachloro-ethane, 1,1,2,2-	Tetrachloro-ethene	Tetrahydro-furan	Toluene	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-1,2,2-trifluoro-ethane, 1,1,2- (Freon 113)	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Vinyl Chloride	m-Xylenes
(ft)	(m)	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
5	1.52	630	1,200,000	300,000	770,000	450	10,000	360,000	1,000,000	12,000	1,200,000	460	460	24,000,000	60,000	60,000	2,700	26,000
C_v^{sat} Values		620	150,000	23,000	34,000	43,000	180,000	630,000	140,000	4,400	870,000	170,000	530,000	3,800,000	14,000	17,000	11,000,000	52,000

APPENDIX 2-B, TABLE 3
LITTLE, DAISEY, NAZAROFF MODEL INPUT PARAMETERS AND CALCULATIONS (CONSTRUCTION WORKER)

NOTES:
Little, Daisey, Nazaroff Model
Chemical Properties Sources :
USEPA RSL Chemical Specific Parameters in *Blue*, all others provided in TACO, Appendix C, Table E

			CAS:	106-42-3	95-47-6	
			Chemical:	p-Xylenes	o-Xylenes	
	Symbol	Definition	Units			Comments
USEPA Values	RO_CW	Industrial Air RO	mg/m3	3.65E+00	3.65E+00	
Chemical Properties	MW	Molecular Weight	g/mol	*1.06E+02*	*1.06E+02*	USEPA RSL Chemical Specific Parameters in *Blue*,
	Da	Diffusivity in Air	cm2/sec	7.69E-02	8.70E-02	all others provided in TACO, Appendix C, Table E
	Dw	Diffusivity in Water	cm2/sec	8.44E-06	1.00E-05	
	H'	Henry's Law Constant	unitless	1.59E-01	1.07E-01	at 13 deg C / at 25 deg C
	H	"	atm-m3/mol	*6.90E-03*	*5.18E-03*	at 25 deg C
	S	Water Solubility	mg/L	1.60E+02	1.80E+02	
	Koc	Organic carbon partition	cm3/g	316	316	
	P	Vapor Pressure	mm Hg	8.9	6.6	
Soil Properties	T	Temperature	°C	13	13	TACO, Appendix C, Table M J&E Parameters
	"	"	°K	286	286	TACO, Appendix C, Table M J&E Parameters
	θt	Total porosity	unitless	0.43	0.43	TACO, Appendix C, Table M J&E Parameters
	θw	Water-filled porosity	unitless	0.15	0.15	TACO, Appendix C, Table M J&E Parameters
	θa	Air-filled porosity	unitless	0.28	0.28	TACO, Appendix C, Table M J&E Parameters
Building Dimensions	L	Length	m	2.4	2.4	= 8 ft
	W	Width	m	0.9	0.9	= 3 ft
	H	Ceiling height	m	4.6	4.6	= 15 ft
	A	Slab Footprint	m2	2.2	2.2	= L x W
	Vbldg	Internal volume	m3	10.2	10.2	= L x W x H
Building Ventilation	AER	Air changes per hour	hr^{-1}	2.00	2.00	TACO, Appendix C, Table M J&E Parameters
	Qbldg	Air flow rate	m3/hr	20	20	=4564 ft3/hr
Millington-Quirk Relationship	D_e	effective diffusivity	cm^2/sec	0.0060	0.0068	TACO, Appendix C, Table C RBCA Equation R6
	D_e	effective diffusivity	m^2/hr	0.0022	0.0024	
	Da	diffusivity in air	cm^2/sec	0.077	0.087	
	q_a	air-filled porosity of soil	vol/vol	0.28	0.28	
	q_t	total porosity of soil	vol/vol	0.43	0.43	

Calculated Tier 3 Soil Gas Attenuation Factors

Transport Distance (assumed 5 feet below 15 foot trench)		p-Xylenes	o-Xylenes
(ft)	(m)	--	--
5	1.52	1.55E-04	1.75E-04

Calculated Tier 3 Soil Gas Remediation Objectives

Transport Distance (assumed 5 feet below 15 foot trench)		p-Xylenes	o-Xylenes
(ft)	(m)	mg/m3	mg/m3
5	1.52	2.36E+04	2.08E+04

Calculated Tier 3 LDN Screening Values

Transport Distance (assumed 5 feet below 15 foot trench)		p-Xylenes	o-Xylenes	
(ft)	(m)	mg/m3	mg/m3	
5	1.52	24,000	21,000	Tier 3 Screening Criteria
C_v^{sat} Values		55,000	41,000	TACO Default Value or Calculated using J&E Equation 5

APPENDIX 2-B, TABLE 4
INDUSTRIAL AIR CALCULATIONS (CONSTRUCTION WORKER)

Site-specific
Outdoor Worker Equation Inputs for Air

Variable	Value
TR (target cancer risk) unitless	0.000001
THQ (target hazard quotient) unitless	1
AT_{ow} (averaging time - outdoor worker)	365
EF_{ow} (exposure frequency - outdoor worker) day/yr	30
ED_{ow} (exposure duration - outdoor worker) yr	1
ET_{ow} (exposure time - outdoor worker) hr	8
LT (lifetime) yr	70

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Site-specific
Outdoor Worker Screening Levels (RSL) for Air

Key: I = IRIS; P = PPRTV; D = DWSHA; O = OPP; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST; F = See FAQ; J = New Jersey; E = see user guide Section 2.3.5; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; n = noncancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide)

Chemical	CAS Number	Mutagen?	VOC?	Inhalation Unit Risk ($ug/m^3)^{-1}$	IUR Ref	Subchronic RfC (mg/m^3)	Subchronic RfC Ref	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL THI=1 (ug/m^3)	Screening Level (ug/m^3)
Acetone	67-64-1	No	Yes	-		3.09E+01	U	-	1.13E+06	1.13E+06 nc
Benzene	71-43-2	No	Yes	7.80E-06	U	8.00E-02	U	3.28E+02	2.92E+03	3.28E+02 ca**
Benzyl Chloride	100-44-7	No	Yes	4.90E-05	U	4.00E-03	U	5.21E+01	1.46E+02	5.21E+01 ca**
Bromodichloromethane	75-27-4	No	Yes	3.70E-05	U	2.00E-02	U	6.91E+01	7.30E+02	6.91E+01 ca*
Bromoform	75-25-2	No	Yes	1.10E-06	U	-		2.32E+03	-	2.32E+03 ca
Bromomethane	74-83-9	No	Yes	-		1.00E-01	U	-	3.65E+03	3.65E+03 nc
Butadiene, 1,3-	106-99-0	No	Yes	3.00E-05	U	2.00E-03	U	8.52E+01	7.30E+01	7.30E+01 nc
Carbon Disulfide	75-15-0	No	Yes	-		7.00E-01	U	-	2.56E+04	2.56E+04 nc
Carbon Tetrachloride	56-23-5	No	Yes	6.00E-06	U	1.89E-01	U	4.26E+02	6.90E+03	4.26E+02 ca*
Chlorobenzene	108-90-7	No	Yes	-		5.00E-01	U	-	1.83E+04	1.83E+04 nc
Chloroform	67-66-3	No	Yes	2.30E-05	U	2.44E-01	U	1.11E+02	8.91E+03	1.11E+02 ca*
Chloromethane	74-87-3	No	Yes	-		3.00E+00	U	-	1.10E+05	1.10E+05 nc
Cumene	98-82-8	No	Yes	-		9.00E-02	U	-	3.29E+03	3.29E+03 nc
Cyclohexane	110-82-7	No	Yes	-		1.80E+01	U	-	6.57E+05	6.57E+05 nc
Dibromoethane, 1,2-	106-93-4	No	Yes	6.00E-04	U	2.00E-03	U	4.26E+00	7.30E+01	4.26E+00 ca*
Dichlorobenzene, 1,2-	95-50-1	No	Yes	-		2.00E+00	U	-	7.30E+04	7.30E+04 nc
Dichlorobenzene, 1,4-	106-46-7	No	Yes	1.10E-05	U	1.20E+00	U	2.32E+02	4.38E+04	2.32E+02 ca
Dichlorodifluoromethane	75-71-8	No	Yes	-		1.00E+00	U	-	3.65E+04	3.65E+04 nc
Dichloroethane, 1,1-	75-34-3	No	Yes	1.60E-06	U	-		1.60E+03	-	1.60E+03 ca
Dichloroethane, 1,2-	107-06-2	No	Yes	2.60E-05	U	7.00E-02	U	9.83E+01	2.56E+03	9.83E+01 ca*
Dichloroethylene, 1,1-	75-35-4	No	Yes	-		7.93E-02	U	-	2.89E+03	2.89E+03 nc

APPENDIX 2-B, TABLE 4
INDUSTRIAL AIR CALCULATIONS (CONSTRUCTION WORKER)

Chemical	CAS Number	Mutagen?	VOC?	Inhalation Unit Risk $(ug/m^3)^{-1}$	IUR Ref	**Subchronic** RfC **(mg/m^3)**	**Subchronic RfC Ref**	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL THI=1 (ug/m^3)	Screening Level (ug/m^3)
Dichloropropane, 1,2-	78-87-5	No	Yes	3.70E-06	U	3.23E-02	U	6.91E+02	1.18E+03	6.91E+02 ca**
Dichloropropene, 1,3-	542-75-6	No	Yes	4.00E-06	U	3.63E-02	U	6.39E+02	1.32E+03	6.39E+02 ca**
Dioxane, 1,4-	123-91-1	No	Yes	5.00E-06	U	7.20E-01	U	5.11E+02	2.63E+04	5.11E+02 ca*
Ethyl Chloride	75-00-3	No	Yes	-		4.00E+00	U	-	1.46E+05	1.46E+05 nc
Ethylbenzene	100-41-4	No	Yes	2.50E-06	U	9.00E+00	U	1.02E+03	3.29E+05	1.02E+03 ca
Heptane, N-	142-82-5	No	Yes	-		4.00E+00	U	-	1.46E+05	1.46E+05 nc
Hexachlorobutadiene	87-68-3	No	Yes	2.20E-05	U	-		1.16E+02	-	1.16E+02 ca
Hexane, N-	110-54-3	No	Yes	-		2.00E+00	U	-	7.30E+04	7.30E+04 nc
Hexanone, 2-	591-78-6	No	Yes	-		3.00E-02	U	-	1.10E+03	1.10E+03 nc
Isopropanol	67-63-0	No	Yes	-		7.00E+00	U	-	2.56E+05	2.56E+05 nc
Methyl Ethyl Ketone (2-Butanone)	78-93-3	No	Yes	-		1.00E+00	U	-	3.65E+04	3.65E+04 nc
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	No	Yes	-		8.00E-01	U	-	2.92E+04	2.92E+04 nc
Methyl tert-Butyl Ether (MTBE)	1634-04-4	No	Yes	2.60E-07	U	2.52E+00	U	9.83E+03	9.20E+04	9.83E+03 ca**
Methylene Chloride	75-09-2	Yes	Yes	1.00E-08	U	1.04E+00	U	2.56E+05	3.80E+04	3.80E+04 nc
Naphthalene	91-20-3	No	Yes	3.40E-05	U	3.00E-03	U	7.51E+01	1.10E+02	7.51E+01 ca**
Propyl benzene	103-65-1	No	Yes	-		1.00E+00	U	-	3.65E+04	3.65E+04 nc
Styrene	100-42-5	No	Yes	-		3.00E+00	U	-	1.10E+05	1.10E+05 nc
Tetrachloroethane, 1,1,2,2-	79-34-5	No	Yes	5.80E-05	U	-		4.41E+01	-	4.41E+01 ca
Tetrachloroethylene	127-18-4	No	Yes	2.60E-07	U	4.00E-02	U	9.83E+03	1.46E+03	1.46E+03 nc
Tetrahydrofuran	109-99-9	No	Yes	-		2.00E+00	U	-	7.30E+04	7.30E+04 nc
Toluene	108-88-3	No	Yes	-		5.00E+00	U	-	1.83E+05	1.83E+05 nc
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	No	Yes	-		5.00E+01	U	-	1.83E+06	1.83E+06 nc
Trichlorobenzene, 1,2,4-	120-82-1	No	Yes	-		2.00E-02	U	-	7.30E+02	7.30E+02 nc
Trichloroethane, 1,1,1-	71-55-6	No	Yes	-		5.00E+00	U	-	1.83E+05	1.83E+05 nc
Trichloroethane, 1,1,2-	79-00-5	No	Yes	1.60E-05	U	2.00E-03	U	1.60E+02	7.30E+01	7.30E+01 nc
Trichloroethylene	79-01-6	Yes	Yes	4.10E-06	U	2.00E-03	U	6.23E+02	7.30E+01	7.30E+01 nc
Trimethylbenzene, 1,2,4-	95-63-6	No	Yes	-		2.00E-01	U	-	7.30E+03	7.30E+03 nc
Trimethylbenzene, 1,3,5-	108-67-8	No	Yes	-		2.00E-01	U	-	7.30E+03	7.30E+03 nc
Vinyl Chloride	75-01-4	Yes	Yes	4.40E-06	U	7.67E-02	U	5.81E+02	2.80E+03	5.81E+02 ca**
Xylene, P-	106-42-3	No	Yes	-		1.00E-01	U	-	3.65E+03	3.65E+03 nc
Xylene, m-	108-38-3	No	Yes	-		1.00E-01	U	-	3.65E+03	3.65E+03 nc
Xylene, o-	95-47-6	No	Yes	-		1.00E-01	U	-	3.65E+03	3.65E+03 nc

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