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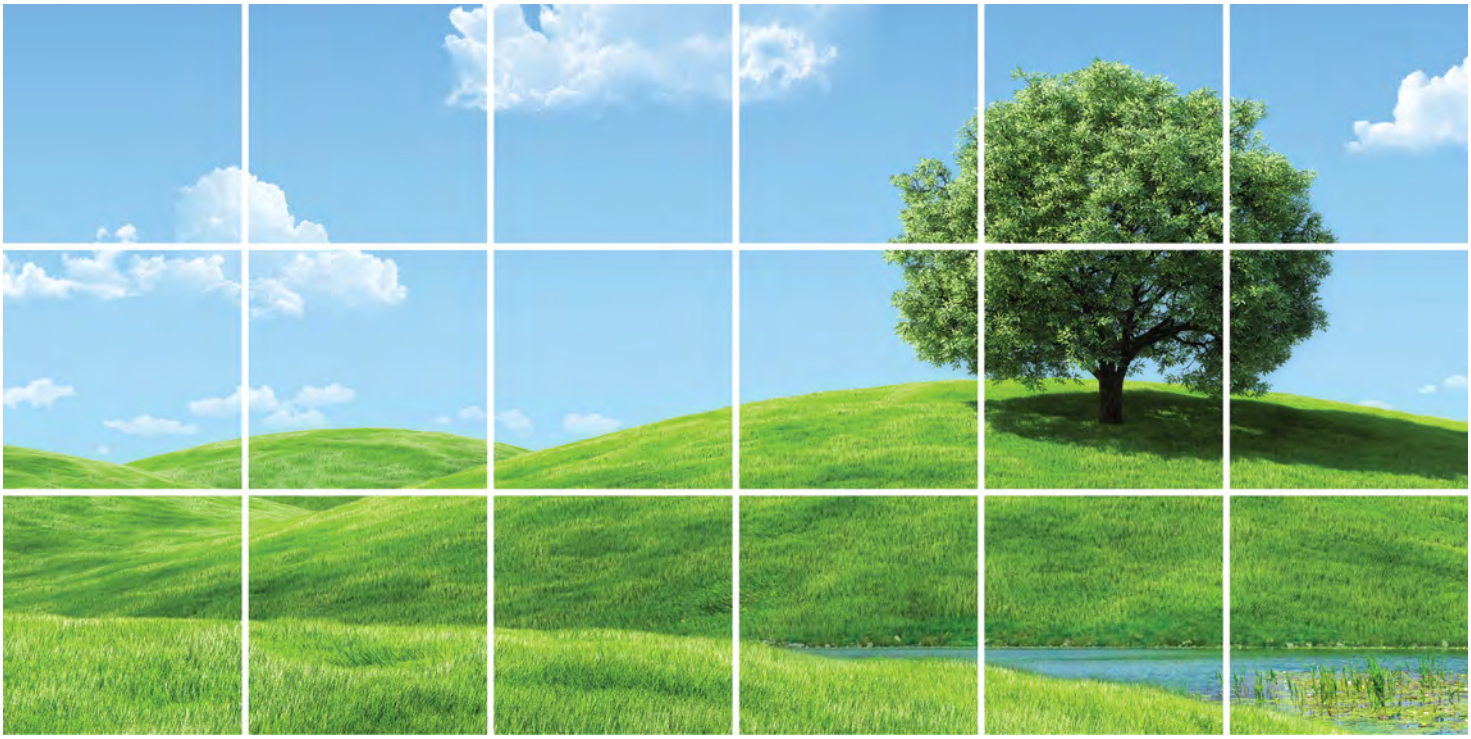

RFI ADDENDUM 2 SUPPLEMENTAL VAPOR INTRUSION INVESTIGATION AND MITIGATION WORK PLAN

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1.0 INTRODUCTION

1.1 BACKGROUND

The former Radio Materials Corporation (RMC) manufacturing facility (United States Environmental Protection Agency [U.S. EPA] identification number IND005477021) is located in west-central Indiana at 1095 East Summit Street in the eastern portion of the City of Attica, in Fountain County, Indiana (Site) Section 5, Township 21 North, Range 7 West (Figure 1.1). In 1947, Mr. Joseph Riley, Sr. purchased the Site and, in 1948, began the manufacture of television tubes and ceramic capacitors in the main plant (located south of Summit Street) (Description of Current Conditions Report [DOCC], 1999). P.R. Mallory Company, Inc. purchased RMC in 1957 and owned the company and facility until 1978. The Riley family then repurchased the facility in 1978 and continued to manufacture ceramic capacitors. Currently, there are no active manufacturing operations at the Site. The Site buildings, including the main building, are used for general storage of equipment and supplies. Office space in the main building is in use by the Site owner, Mr. Joseph Riley, Jr.

U.S. EPA Region 5 entered into a Resource Conservation and Recovery Act (RCRA) 3008(h) Consent Order No. IND 005 477 021 with RMC, which requires the investigation and remediation of various areas of the RMC property. Figure 1.2 depicts the location of Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) identified at the RMC facility. An extensive, multi-phase and multi-media RCRA Facility Investigation (RFI) has been completed at the Site and surrounding area. Additionally, a number of Interim Corrective Action Measures (ICMs) have been implemented to address soil and groundwater impacts, and residential vapor intrusion (VI).

Numerous overburden monitoring wells, bedrock monitoring wells, and piezometers have been installed and monitored frequently to determine hydrogeological conditions at the Site. The analytical results of the RFI and routine groundwater monitoring indicated that the primary analytes detected in groundwater are several chlorinated volatile organic compounds (cVOCs), including tetrachloroethene (PCE), trichloroethene (TCE), and cis-1,2-dichloroethene (cDCE), and to a more limited extent, vinyl chloride. These cVOCs have been detected in both the overburden and bedrock aquifers beneath the Site and extend towards the west-northwest, in the direction of groundwater flow.

A VI investigation also has been completed consistent with multiple documents approved by the U.S. EPA including, most significantly:

- Indoor Air Sampling Work Plan, Attica, Indiana (ENVIRON March 2008)

- Vapor Intrusion Mitigation Interim Corrective Measures Work Plan (Conestoga-Rovers & Associates [CRA], (December 28, 2009)
- Vapor Intrusion Mitigation Interim Measures Design Program (CRA, March 25, 2010)

To date, several hundred indoor air samples have been collected from nearly 130 residences located in and around the study area located to the northwest of the RMC plant. Additionally, and as appropriate, subslab vapor and crawlspace air samples have been obtained from these residences. Based on the analytical data obtained during the residential VI sampling efforts, mitigation was performed at 60 residences consistent with the Vapor Intrusion Mitigation Interim Corrective Measures Work Plan.

Mitigation systems installed at the residences were of two types, active mitigation systems (i.e., subslab depressurization [SSD] or submembrane depressurization [SMD]), or passive mitigation systems (i.e., seal existing cracks, joints, utility penetrations or other features that might serve as potential diffusion routes in floors and foundation walls). Active vapor mitigation systems were installed in 46 residences where indoor air concentrations above action levels and corresponding subslab vapor sources were observed. Fourteen residences with subslab vapor or crawlspace air detections above approved screening levels and indoor air concentrations below screening levels were fitted with the passive mitigation systems.

1.2 PURPOSE

In November 2011, U.S. EPA issued an update to the toxicity values for PCE and TCE in the Integrated Risk Information System (IRIS) database. In response, the U.S. EPA also updated the Regional Screening Levels (RSLs). U.S. EPA's revisions resulted in different Site-specific indoor air action levels than those contained in the U.S. EPA-approved document entitled "*Vapor Intrusion Mitigation Interim Corrective Measures Work Plan*" (CRA, December 28, 2009). The U.S. EPA has requested this RFI Addendum to modify the vapor intrusion investigation and mitigation approach at the Site.

2.0 EVALUATION METHODOLOGY AND CRITERIA

2.1 MULTIPLE LINES OF EVIDENCE APPROACH

Due to the potential confounding factors inherent in VI and the complicated evaluation of background indoor air and vapor sources, the evaluation of each potentially impacted medium alone cannot be used reliably to assess the potential risks from VI. CRA evaluated the available data and developed this Work Plan using the U.S. EPA's multiple lines of evidence approach.

In a January 15, 2009 guidance memorandum, U.S. EPA stated that:

> "*Our experience with vapor intrusion investigations indicates that no single media data set, whether it be ground water, soil gas, sub-slab gas or indoor air, can be used reliably to fully evaluate the potential for risks from VI above health risk-based levels due to the large number of variables affecting the transport of vapors from the subsurface to indoor air and the confounding influence of indoor sources of common subsurface contaminants*
>
> *All these factors strongly suggest that multiples lines of evidence are important to evaluate VI as an exposure pathway of concern at sites where hazardous VOCs have been released to the subsurface.*"

The U.S. EPA has generally recognized that the following be present for a completed VI exposure pathway to occur:

1. Dissolved phase cVOC concentrations in groundwater or a proximal soil source zone with concentrations above screening levels.
2. Vapor phase concentrations in subsurface soil above screening levels in proximity to buildings.
3. Concentrations of accumulated vapors in subslab vapor above screening levels and preferential vapor migration pathways present through building floors and walls.
4. cVOCs concentrations in indoor air above the risk-based action levels due to migration from the subsurface.

Further, in order to view VI as a potentially Site-related condition, the identified distribution of cVOCs in indoor air must be indicative of a subsurface source as opposed to an indoor air or background ambient air source.

Consistent with the multiple lines of evidence approach, the following tasks were performed to modify the VI approach at the Site:

- Developed applicable Site-specific screening and action-level criteria based on U.S. EPA's revised risk-based indoor air action levels for TCE and PCE;
- Compiled the existing VI data set and completed a Site-specific VI pathway evaluation;
- Developed preliminary VI zones based on Site-specific VI pathway evaluation;
- Compared existing residential VI data with the preliminary VI zones delineation; and
- Addressed the need for supplemental VI investigation and identified appropriate response actions.

The remainder of this Work Plan discusses each task in greater detail.

2.2 APPLICABLE CRITERIA

Media-specific analytical results used to evaluate the VI pathway consistent with the multiple lines of evidence approach included groundwater, soil vapor, subslab vapor, and indoor air data. As noted in the previous section, screening criteria provide the basis for evaluating whether there is a completed VI pathway that might result in potential exposure to Site-related chemicals above the indoor air action levels. The following discusses the derivation of screening levels applicable to the Site.

2.2.1 INDOOR AIR

The U.S. EPA revised the risk-based indoor air action levels for TCE and PCE to reflect the November 2011 update to the toxicity values in the IRIS database. U.S. EPA also updated the RSLs. U.S. EPA's revision of the action levels results in different Site-specific action levels than those contained in the U.S. EPA-approved document entitled "*Vapor Intrusion Mitigation Interim Corrective Measures Work Plan*" (CRA, December 28, 2009).

CRA applied the same procedure outlined in the *Vapor Intrusion Mitigation Interim Corrective Measures Work Plan* and the Indiana Department of Environmental Management's (IDEM's) 1E-05 target cancer risk levels and a hazard index of 1.0 for

non-cancer effects to develop modified indoor air vapor intrusion action levels for PCE and TCE. The table below summarizes the modified indoor air vapor intrusion action levels for PCE and TCE.

Analyte	*1E-05 Cancer Risk Action Level (µg/m³)*	*Non-Cancer Risk Effects Action Level (µg/m³)*	*Previously Approved Indoor Air Action Level (µg/m³)*	*Applicable Indoor Air Action Level (µg/m³)*
PCE	94[a]	42[b]	4.1	42
TCE	4.3[a]	2.1	12.2	2.1

[a] Based on an extrapolation from the U.S. EPA RSL tables at a 10^{-5} target cancer risk.

[b] Based on the July 31, 2012 IDEM tetrachloroethene Screening Level Announcement

The indoor air action levels calculated based on an evaluation of non-cancer effects were lower than those derived based on cancer risk for both TCE and PCE. Therefore, the action levels for the RMC Site default to the non-cancer effects indoor air action levels for PCE and TCE of 42 µg/m³ and 2.1 µg/m³, respectively.

U.S. EPA also previously approved Site-specific indoor air action levels for several other cVOCs including cDCE, trans-1,2-dichloroethene (tDCE), 1,1-dichloroethene (1,1-DCE), and vinyl chloride. The toxicity values for these compounds did not change in the November 2011 update to the toxicity values in the IRIS database. Therefore, the indoor action levels remain the same as detailed in the *Vapor Intrusion Mitigation Interim Corrective Measures Work Plan* and are provided below for reference.

Analyte	*Applicable Indoor Air Action Level (µg/m³)*
1,1-DCE	200
cDCE	60
tDCE	60
Vinyl chloride	2.8

The following table summarizes the range in cVOC concentrations resulting from VI as detected in all indoor air samples obtained to date in the study area.

Parameters	*Units*	*Indoor Air Action Level*	*Minimum Concentration*	*Maximum Concentration*
1,1-DCE	µg/m³	200	ND	0.12
cDCE	µg/m³	60	ND	6.8
PCE	µg/m³	42	ND	240
tDCE	µg/m³	60	ND	0.19
TCE	µg/m³	2.1	ND	110
Vinyl chloride	µg/m³	2.8	ND	0.68

ND – Non detect

Data from 501 6th not used in above table. Indoor air source present

As noted above, PCE and TCE are the only cVOCs observed to have exceeded the new indoor air action levels in residential samples collected to date.

2.2.2 SUBSLAB VAPOR AND SOIL VAPOR

Vapors that off gas from the groundwater enter the vadose zone and are referred to as soil vapor. Soil vapor that travels upwards through the vadose zone and becomes entrapped below the slab of a building are subslab vapors. Default or Site-specific attenuation factors can be used to derive screening-level concentrations for subslab vapor and soil vapor using the U.S. EPA default attenuation factors of 0.1 and 0.01 for subslab vapor and soil vapor, respectively[1].

The resulting screening levels for the Site-related cVOCs using the default attenuation factors are summarized in the following table.

Analyte	*Subslab Vapor Screening Level (µg/m³)*	*Soil Vapor Screening Level (µg/m³)*
PCE	420	4,200
TCE	21	210
cDCE	600	6,000
tDCE	600	6,000
1,1-DCE	2,000	20,000
Vinyl chloride	28	280

ND – Non detect

The following table summarizes the range in cVOC concentrations detected in all subslab vapor samples obtained to date in the study area.

Parameters	*Units*	*Subslab Vapor Screening Levels*	*Subslab Concentrations*	
			Minimum	*Maximum*
1,1-DCE	µg/m³	2,000	ND	ND
cDCE	µg/m³	600	ND	99
PCE	µg/m³	420	ND	8,000
tDCE	µg/m³	600	ND	ND
TCE	µg/m³	21	ND	1,200
Vinyl chloride	µg/m³	28	ND	0.2

[1] OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (U.S. EPA, 2002)

As noted above, PCE and TCE are the only cVOCs observed to have exceeded subslab vapor screening levels in residential samples collected to date.

2.2.3 GROUNDWATER

Groundwater screening criteria used to evaluate data for the multiple lines of evidence approach are IDEM's 2013 tap water screening levels, which are summarized in the table below for the Site-related cVOCs.

Analyte	*Tap Water Screening Level (µg/L)*
PCE	5
TCE	5
cDCE	70
tDCE	100
1,1-DCE	5
Vinyl chloride	2

IDEM's 2013 tap water screening levels are equivalent to the U.S. EPA's current maximum contaminant levels (MCL) applicable to potable water for these compounds. A complete exposure pathway through groundwater used as potable water does not exist in the study area. Development of these standards did not include consideration of exposure through the VI pathway, but they are the most conservative residential groundwater standards available from IDEM and are the same standards that public water supplies are required to meet. Therefore, delineation to these levels is very conservative and further investigation outside the plume delineated by the groundwater screening levels is unwarranted.

3.0 DISCUSSION OF AVAILABLE DATA

The VI investigations to date have been completed using a phased approach and have included investigation of groundwater, soil vapor, and VI samples collected from residences (crawlspace, subslab vapors, and indoor air). The VI investigations performed before 2011 are described in the following documents previously submitted to U.S. EPA:

- Vapor Intrusion Mitigation Interim Corrective Measures Work Plan dated December 28, 2009
- Soil Vapor Study Data Transmittal and Proposed Vapor Intrusion Study Addendum dated April 7, 2010
- Phase IIB RCRA Facility Investigation Report, submitted to U.S. EPA on May 21, 2010
- Soil Vapor Study Data Transmittal Report dated October 21, 2010
- RFI Addendum – VI Study of Off Site Investigation Area dated May 13, 2011

This Section 3.0 summarizes the data used to develop this Work Plan.

3.1 GROUNDWATER MONITORING NETWORK AND DATA

A thorough discussion of geologic and hydrogeologic conditions at the Site is provided in the Hydrogeologic Modeling Report (CRA, April 2012). Off-gassing of cVOCs from the groundwater present in the overburden is of primary concern relative to the VI pathway. Numerous groundwater monitoring wells have been installed both on-Site and off-Site of the RMC Facility to delineate the extent of cVOC impacts to groundwater. These monitoring wells are installed in both overburden and bedrock water-bearing zones. Numerous rounds of groundwater sampling have been completed to date. Currently, most of these monitoring wells are gauged and sampled on a biannual basis. The locations of these monitoring wells are illustrated on Figure 3.1.

Groundwater flow in the overburden unit is generally towards the west-northwest as determined during numerous monitoring events. The depth to groundwater varies significantly across the study area (from less than 10 feet to greater than 70 feet below ground surface. CRA developed an average depth to groundwater level at each monitoring well in the study area using the depth to groundwater levels measured throughout the RFI. Figure 3.2 depicts the average depth-to-groundwater contours developed for the study area.

The tables in Appendix A provide a summary of the available groundwater analytical data obtained during 2012 and 2013. The overburden groundwater PCE and TCE plumes in the southern portion of the groundwater investigation area extend towards the west-northwest, parallel to the direction of groundwater flow. Groundwater ICMs implemented to date include an air sparge/soil vapor extraction (AS/SVE) system north of Summit Street, and a groundwater extraction and treatment system south of Summit Street.

To minimize the effects of the groundwater ICMs on the VI pathway evaluation, CRA used groundwater analytical data from October 2010, which were collected prior to the implementation of the groundwater ICMs. Figures 3.3 and 3.4 depict the extent of the PCE and TCE plumes developed from the October 2010 groundwater data as presented in the Hydrogeologic Modeling Report (CRA, April 2012).

The groundwater monitoring wells were installed to delineate the vertical and horizontal limits of the PCE and TCE plumes emanating from the RMC Site. Therefore, monitoring well spacing is apportioned according to the length and width of the PCE and TCE plumes; generally resulting in a spacing of several hundred feet between wells. As a result, PCE and TCE concentrations in the groundwater are interpolated between well locations.

To be most representative of potential vapor intrusion, groundwater samples should be obtained from the top of the shallowest groundwater unit. Table 3.1 compares the average groundwater elevation to the screened interval for each monitoring well located within the study area. With limited exception, the average groundwater elevations lie within the screened interval of the corresponding monitoring well or within approximately 5 feet of the top of the screened interval. Although certain monitoring wells at the perimeter of the study area have screens submerged deeper, this is balanced by the location and spacing of soil vapor probes in the study area that measure potential off-gassing from the groundwater (see Section 3.2).

3.2 SOIL VAPOR NETWORK AND DATA

Between May 2005 and April 2011, soil vapor probes VP-1 to VP-49 were installed and soil vapor samples were collected and analyzed for cVOCs. These investigations were documented to U.S. EPA in the April 7, 2010 *Soil Vapor Study Data Transmittal and Proposed Vapor Intrusion Study Addendum* and the May 21, 2010 *Phase IIB RFI Report*. Soil vapor probes installed and sampled after the Phase IIB RFI were detailed to U.S. EPA in

the October 21, 2010 *Soil Vapor Study Data Transmittal Report*. Figure 3.5 depicts the locations of the soil vapor probes.

CRA recently completed an inspection of the vapor probe network and determined that a number of these probes were missing or destroyed as summarized in Table 3.2 and a number of others were an older design. Generally, the newer soil vapor probes are constructed of a 6-inch length of stainless steel screen set at the base of the borehole attached to a sufficient length of one-quarter inch diameter Teflon tubing to reach the ground surface. The design of the older vapor probes consisted of 1-inch diameter rigid polyvinyl chloride (PVC) pipe and a 1-foot length of PVC slot screen set at the base of the borehole. This vapor probe design cannot be sampled in the same manner as newer design, so the older probes are being replaced solely to provide a uniform long-term sampling network. A sand pack is installed around the screened interval of both types of probes and the remainder of the borehole annulus is sealed with bentonite to the ground surface. Generally, the probes are set to a depth of approximately 10 feet below ground surface, which is appropriate for soil vapor monitoring. However, a few of the probes are set at a shallower depth interval because these are located in areas of shallow groundwater.

The table in Appendix B summarizes the available soil vapor analytical data from the study area obtained during the RFI. Generally, there are at least two rounds of soil vapor data collected from each vapor probe location. Figure 3.6 and 3.7 depict the highest concentrations of PCE and TCE observed in each of the soil vapor probes during previous monitoring. Analytical results for samples obtained from the soil vapor probes are representative of the concentrations of cVOCs emitted from the groundwater into the vadose zone. The intent is to measure cVOC concentrations in soil vapor near the potential point of exposure (a depth immediately below the basement floor elevation). Therefore, probe depth and spacing are important to obtain accurate measurements. With limited exception, the probe spacing is sufficient to evaluate the soil vapor concentrations in the study area. Soil vapor sampling will be completed at the vapor probes noted in Table 3.3 to obtain two rounds of current data from all probes all collected at the same time.

As discussed later in Section 5.0, to improve the soil vapor data set in terms of spatial distribution, representation of current conditions, and uniformity of construction design and associated sampling techniques associated with the long-term sampling network, new soil vapor probes will be installed, a number of soil vapor probes will be replaced and additional soil vapor samples will be collected.

3.3 RESIDENTIAL VI DATA

To date, several hundred indoor air samples have been collected from nearly 130 residences located in and around the study area. Additionally, as appropriate, subslab vapor and crawlspace air samples have been obtained from these residences. Based on the analytical data obtained during the residential VI sampling efforts, mitigation was performed at 60 residences consistent with the Vapor Intrusion Mitigation Interim Corrective Measures Work Plan. Figure 3.8 depicts the mitigation activities completed to date.

Mitigation systems installed at the residences were of two types, active mitigation systems (i.e., an SSD or SMD system) or passive mitigation systems (i.e., seal existing cracks, joints, utility penetrations or other features that might serve as potential diffusion routes in floors and foundation walls). Active SSD or SMD systems were installed in 46 residences where cVOC indoor air concentrations were detected above action levels. Fourteen residences with subslab vapor detections above screening levels and indoor air concentrations below screening levels were fitted with the passive mitigation systems.

Figure 3.9 depicts the results of the screening of the existing VI data for the residences in the study area using the applicable indoor air action levels and subslab screening levels for PCE and TCE discussed in Section 2.2. Figure 3.9 also identifies whether a mitigation system is installed and the type of mitigation system (active or passive).

4.0 SITE-SPECIFIC VI PATHWAY EVALUATION

4.1 OVERVIEW

The first step in evaluating potential exposure to Site-related cVOCs is to determine whether the VI pathway is a potentially complete exposure pathway. The study area comprises in excess of 50 acres in area between approximately Taylor Street on the north; West, 6th, Canada, and Columbia Streets on the west; Park Avenue on the south; and Riley Lake on the RMC property on the east. Except for a residence located at 1009 Reimer Street in the far eastern portion of the area, dissolved cVOCs in groundwater diffusing into the vadose zone is the primary source for the VI exposure pathway. The proximity of the residence at 1009 Reimer Street to SWMU 5 on-Site and the elevated soil vapor concentrations observed in probes installed proximal to this residence indicate that off-gassing of cVOCs from the soil is also a source in this local area.

Given that off-gassing of dissolved-phase cVOCs in the groundwater downgradient of the on-Site source is the primary VI pathway mechanism, it is appropriate to initiate the evaluation for a potentially complete VI pathway beginning with the groundwater and progressing upwards through the soil vapor and then the subslab/crawlspace/indoor air data. This approach is consistent with the use of multiple lines of evidence that is discussed in Section 2.1.

4.2 GROUNDWATER

As stated in Section 3.1, as a conservative and protective approach to minimize the effects of the groundwater ICMs on the VI pathway evaluation, CRA used groundwater analytical data from October 2010, which were collected prior to the implementation of the groundwater ICMs. Figures 3.3 and 3.4 depict the extent of the PCE and TCE plumes developed from the October 2010 groundwater data. As a conservative and protective initial approach, the area overlying and within approximately 100 feet of the PCE and TCE groundwater plumes, as defined by IDEM's tap water screening levels for groundwater, was defined as the area to be considered for further evaluation of the VI pathway. As discussed previously in Section 2.2.3, the tap water screening levels were developed based on exposure to potable water and the most conservative residential groundwater standards available. The soil vapor and the available residential VI data, discussed in the following section, confirm that the limits of the VI study area do not extend beyond West/6th/Columbia Streets on the west and do not extend east of the Gravel Road on Taylor Street into the northern part of Kentucky Street.

4.3 SOIL VAPOR

Chlorinated VOCs off-gassing from the groundwater enter the vadose (unsaturated) zone and can be detected using soil vapor sampling methods. There are a number of mechanisms that may attenuate the cVOCs in the vadose zone to levels below concern including, but not limited to, high moisture levels in soil, diffusion into the vadose zone (i.e., an insufficient mass of cVOCs off-gassing into the vadose zone from groundwater to result in soil vapor concentrations of concern), physical entrapment beneath low-permeability layers in the stratigraphic column, and biodegradation.

The cVOC groundwater concentrations in an area may be above screening levels but if the stratigraphic column is relatively thick, there may be an insufficient mass of off-gassing cVOCs to result in soil vapor concentrations above levels of concern at depths where exposure through VI could potentially occur. Similarly, the cVOC concentrations in the groundwater may be relatively low but the soil column above the groundwater relatively thin. Thus, while the mass of off-gassing cVOCs may be relatively low, it may be sufficient to result in soil vapor concentrations above the screening levels.

The thickness of the vadose zone varies widely across the Site. As depicted in Figure 3.2, the depth to groundwater in the eastern and western portions of the study area is relatively deep, locally exceeding 60 feet, while the depth-to-groundwater in the central portion of the study area is shallower, less than 25 feet centered on the public park east of Hollovy Street. Additionally, as shown in Figures 3.3 and 3.4 the concentrations of PCE and TCE in groundwater are highest in the eastern portion of the study area near the source areas on the RMC Site, where groundwater is deeper.

As shown by the PCE and TCE soil vapor data depicted in Figures 3.6 and 3.7, respectively, the highest concentrations of these compounds downgradient of the Site (away from the on-Site source area near SWMU 5) were observed in the vapor probes installed in the central portion of the study area. In this area, proximal to Summit Street, the groundwater is generally shallower. To the east of this area, the concentrations of PCE and TCE in groundwater are higher but the thickness of the unsaturated column above the groundwater is substantially greater and the concentrations of PCE and TCE in the soil vapor are generally lower. The exception is near 1009 Reimer Street where off-gassing from SWMU 5 occurs. The data indicates that the relatively thick stratigraphic column above this area is effective at attenuating the cVOCs off-gassing from groundwater.

In the western portion of the study area near West Street, soil vapor concentrations in all the vapor probes are very low to non-detect. In this area, the low to non-detect soil vapor concentrations result from a combination of relatively lower PCE and TCE concentrations in the groundwater (less available diffusible mass) and a substantially thicker stratigraphic column above the groundwater with a greater capacity to attenuate PCE and TCE vapors.

4.4 DELINEATION OF VI ZONES

4.4.1 APPROACH

Using the multiple lines of evidence approach and the groundwater and soil gas concentrations observed to date, it is possible to delineate preliminary zones representing areas in which a potential VI pathway to structures may be complete and areas where the VI pathway is incomplete. As a conservative and protective approach, the subslab vapor screening levels were used for soil vapor screening to delineate the VI zones in the study area (i.e., an attenuation factor of 0.1 was applied to the soil vapor screening levels summarized in Section 2.2.2). Uniform and reproducible concentrations of PCE and TCE in soil vapor below concentrations of 420 $\mu g/m^3$ and 21 $\mu g/m^3$, respectively, would result in a negligible risk of a completed VI pathway.

As another conservative measure, the soil vapor concentrations were extrapolated out to a 200 foot radius from each probe and where the radii of probes with lower soil vapor concentrations overlapped probes with higher soil vapor concentrations, the higher concentration was used to delineate a preliminary zone. The groundwater and soil vapor data can be used to delineate preliminary zones in the study area that are useful for further evaluating the residential VI data and developing appropriate response actions.

4.4.2 DISCUSSION OF PRELIMINARY VI ZONE DELINEATION

Based on the existing groundwater and soil vapor data as well as other relevant factors discussed below, and using the multiple lines of evidence approach, three preliminary VI zones (Zones I, II, and III) were delineated at the Site. The preliminary VI zones discussed below using the existing data were developed for illustrative purposes only. The preliminary VI zones will be revised and finalized based on the results of the soil vapor investigation discussed in Section 5.1. The preliminary VI zones delineated using

this approach are shown in Figure 4.1. The TCE groundwater plume footprint is shown in Figure 4.1 because it is larger than the PCE plume and because the TCE screening levels in soil vapor are much lower (by a factor of 20). However, both the PCE and TCE soil vapor data were used to derive the VI zones shown in this figure.

4.4.2.1 VI ZONE I

Zone I is defined as the area closest to the RMC Site and in closest proximity to areas with the highest groundwater concentrations and on-Site source areas (i.e., SWMU 5) with active remedial systems (i.e., groundwater extraction and treatment and soil vapor extraction). Although the soil vapor data demonstrate that the vadose zone deposits are effective at attenuating cVOCs, some further evaluation of Zone I is warranted given the proximity of residences in this zone to the Site and Site features.

4.4.2.2 VI ZONE II

Preliminary VI Zone II is defined as the area downgradient of Zone I and is defined based on the proximity to vapor probes exhibiting TCE concentrations greater than 21 $\mu g/m^3$. Because the depth to groundwater can influence the actual exposure through the VI pathway, preliminary VI Zone II is subdivided into Subzone IIA, which is the shallow groundwater area (25 feet or less) and Subzone IIB, which is the area where groundwater is deeper than 25 feet. A third subzone, Subzone IIC, was defined to encompass several residences located along Park Avenue east of Canada Street. In this subzone, PCE and TCE were not detected in the groundwater or in the soil vapor, yet PCE and TCE were detected above screening/action levels in VI monitoring completed at a few of the residences along Park Avenue. Subzone IIC is discussed further in Section 4.5 below. Preliminary VI Zone II, including the subzones, will be revised and finalized as necessary, based on the results of the soil vapor investigation discussed in Section 5.1.

4.4.2.3 VI ZONE III

Preliminary Zone III does not have a completed VI pathway potential based on multiple lines of evidence. Groundwater concentrations in Zone III are generally lower, especially in the northwestern portion of this zone, and the depth to groundwater generally is much deeper (i.e., 40 feet or greater). Additionally, two rounds of soil vapor sampling from multiple probes installed in this area demonstrated minimal PCE and

TCE in soil gas (from non-detect to less than 420 μg/m^3 [PCE] and 21 μg/m^3 [TCE]). The VI pathway is considered incomplete in this area. Preliminary VI Zone III will be revised and finalized as necessary, based on the results of the soil vapor investigation discussed in Section 5.1.

4.5 RESIDENTIAL VI DATA DISCUSSION

Following evaluation of the groundwater and soil vapor data and delineation of the VI zones discussed in the previous subsections, the residential VI data were assessed to determine whether these data were consistent with the preliminary zone delineation. Figure 4.2 depicts the delineated VI zones, the residential VI data, and mitigation activities completed to data.

In preliminary Zone I, the residential VI data is consistent with the observed groundwater and soil vapor data and Site conditions. Although PCE and TCE concentrations in the groundwater are the highest in the study area, the concentrations of PCE and TCE in the soil vapor are generally low with the exception of the area located adjacent to SWMU 5. The generally lower soil vapor concentrations are attributable to the thickness of the vadose zone in this area and the presence of a lower conductivity silt and silty clay unit near the surface.

Similarly, in preliminary Zone II, the residential VI data is consistent with the groundwater and soil vapor data and local geological conditions. In Zone II, residential VI results demonstrate that the highest concentrations of PCE and TCE were observed in residences located along Taylor Street on the north, Baxter Street on the west, and Park Avenue on the south. These observations are expected because these residences lie in closest proximity to vapor probes and groundwater exhibiting the most elevated concentrations of these analytes, and in the area where groundwater is the shallowest.

As noted in Section 4.4.2.2, in Subzone IIC, the VI data at several residences located along Park Avenue east of Canada Street appears anomalous with the available soil gas and groundwater data. In this subzone, PCE and TCE are not detected in the groundwater at BW-20 or in the soil vapor at VP-22, yet PCE and TCE was detected at concentrations above action/screening levels some of these residences. Since the screened interval of the closest well (BW-23) is below the water table, it is possible that the available groundwater data is not representative of the groundwater concentrations near the top of the water table, although this is unlikely. More likely, these detections may be related to vapor-phase migration from areas to the east, a localized source unrelated to off-gassing from the groundwater, and/or indoor air sources, as previously

noted at 800 and 904 Park. Therefore, further evaluation is necessary in this localized area as discussed in Section 5.1.

In preliminary Zone III, the residential VI data exhibit no exceedances of action/screening levels with a few limited exceptions. Exceedances were noted at four residences along West/6th Streets but two of these were attributable to indoor air sources (501 6th and 408 West). It is unclear whether the exceedances noted at the other two residences (407 and 411 West Street) are related to vapor intrusion or a localized source. These two locations previously were fitted with active mitigation systems so no further evaluation or actions are warranted at these locations, except for ongoing operation and maintenance. The residence at 505 6th Street exhibited subslab vapor concentrations slightly above the TCE screening levels but the residence is a slab-on-grade construction and the indoor air TCE concentrations were very low (below 0.3 $\mu g/m^3$) during two previous monitoring rounds.

Several residences along Avenue 6 to the east of the RMC Site are located within a 200-foot radius of vapor probes where PCE or TCE concentrations were detected above screening levels (VP-43 and VP-46). VI samples previously were collected from the residences located at 461, 501, 519, and 537 Avenue 6. Analytical results from indoor air samples collected from 461, 519 and 537 Avenue 6 were all a small fraction (i.e., less than one-tenth) of the applicable residential indoor air action levels. Indoor air samples were not collected from 501 Avenue 6 because painting and varnishing were being performed indoors at the time of sampling. However, a subslab sample was collected from this location and cVOCs were not detected in this sample. Similarly, crawlspace and subslab results from the other residences were either non-detect or below the new residential screening levels.

There is a relatively thick, cohesive geologic unit near the surface in this area east of the Site that is effective at attenuating cVOC vapors. In addition, the groundwater in this area is 50 to 60 feet deep. Finally, these residences are less susceptible to VI due to crawlspace or slab-on-grade construction. As concluded in the VI Study Off Site Investigational Area report (CRA, May 13, 2011), multiple lines of evidence, including soil gas, subslab vapor, and groundwater analytical results, show there is not a completed vapor transport pathway from the RMC Site to the residences east of the Site. Therefore, no further investigation of these residences will be conducted.

5.0 VI DATA EVALUATION PROCESS

5.1 SUPPLEMENTAL SOIL VAPOR INVESTIGATION AND EVALUATION

To further improve the soil vapor data set in terms of spatial distribution, representation of current conditions, and uniformity of construction design and associated sampling techniques associated with the long-term sampling network, as discussed in Section 3.2, new soil vapor probes will be installed and a number of soil vapor probes will be replaced as noted in Table 3.2). Two additional rounds of soil vapor samples will be collected in successive quarters to confirm the boundaries of the VI Zones discussed in Section 4.4.2 based on current conditions.

CRA recently completed an inspection of the vapor probe network and determined that a number of these probes were missing, damaged, or destroyed (see Table 3.2). Prior to sampling, the missing, damaged, or destroyed probes will be reinstalled. In addition, the PVC soil probes in the network will be replaced to provide a uniform long-term sampling network. and the new probes (VP-50 through VP-54) will be installed as shown in Figure 5.1. Vapor probe VP-50 is proposed in Zone IIC to further evaluate conditions in that area as discussed in Section 4.5. The other new probes are proposed to provide spacing consistent with the rest of the vapor probe network around the perimeter of the study area.

Replacement and new vapor probes will be of the Teflon-tube design with 6-inch long stainless steel screens installed to a nominal depth of 10 feet below ground surface (unless shallow groundwater conditions dictate a shallower installation). Vapor probes will be installed consistent with the procedures documented in the memorandum entitled "*Proposed Vapor Intrusion Investigation*" (CRA, May 30, 2007). Soil vapor samples will be purged and soil vapor samples collected and analyzed for PCE, TCE, cDCE, tDCE, 1,1-DCE and vinyl chloride.

Following the receipt of the soil vapor analytical results, the boundaries of Zones II and III will be reassessed consistent with the analysis completed in Section 4.4.2, and adjusted, as necessary, consistent with the discussion in Section 4.4.2, and the final boundaries submitted to the U.S. EPA.

5.2 ZONE-SPECIFIC EVALUATIONS AND DECISION-MAKING

The last step in the multiple lines of evidence approach is to obtain and evaluate VI data for the residences in the study area. As discussed in Section 3.3, a significant volume of data has been compiled for residences in the study area and mitigation actions have been taken in response to these data. Additional VI data will be collected from residences in Zones I and II as discussed in the following sections.

5.2.1 ZONE I

Active mitigation systems have been installed in two of the six residences located in preliminary Zone I as shown in Figure 3.6. Access will be sought and the confirmatory sampling described in Section 5.3.1 will be performed at each of the four residences in Zone I without active vapor mitigation systems installed. At residences where the concentrations of PCE or TCE on occupied levels exceed indoor air action criteria and the vapor intrusion pathway appears to be complete, active mitigation systems will be installed as described in Section 5.4. In the event that PCE and TCE indoor air action levels are not exceeded, the residence will be considered cleared and no further action will be required. Ultimately, the confirmatory data from the representative residences will be used to complete the multiple lines of evidence evaluation for the remaining residences in Zone I.

5.2.2 ZONE II

As shown in Figure 3.6 and in Table 5.1, in preliminary Zone II, active mitigation systems have been installed in 40 residences and passive mitigation systems have been installed in eight residences. The testing and mitigation work completed within Zone II is consistent with the previously approved Vapor Mitigation Work Plan and is adequate and protective. However, additional confirmatory analytical data will be collected from selected residences within this zone to verify current conditions.

The residences selected for confirmatory sampling were prioritized based on the following criteria:

- Proximity to soil vapor probes exhibiting higher TCE concentrations
- TCE concentrations during previous subslab testing
- Depth to groundwater

- Construction type condition (basements preferred over slabs and crawlspaces)
- Presence of passive mitigation systems
- Willingness of the resident to grant access during previous events

The 12 residences selected for further evaluation and the rationale for selection is summarized in Table 5.1. Access will be sought at these residences and the confirmatory sampling described in Section 5.3.1 will be performed at the selected Zone II residences without active vapor mitigation systems. At residences where the concentrations of cVOCs on occupied levels exceed indoor air action criteria as a result of the VI pathway, active mitigation systems will be installed as described in Section 5.4. If PCE and TCE indoor air action levels are not exceeded at any given residence, the residence will be considered cleared and no further action will be required. The need to extend confirmatory sampling to one or more additional residences in Zone II will be evaluated based on the results of the sampling of the 12 residences and will be discussed with the U.S. EPA. Ultimately, the confirmatory data from the representative residences will be used to complete the multiple lines of evidence evaluation for the remaining residences in Zone II.

5.2.3 ZONE III

The multiple lines of evidence approach demonstrates that the VI pathway is incomplete in preliminary Zone III. Therefore, no further investigation or mitigation activities will be completed in Zone III, and the multiple lines of evidence evaluation for this Zone is assumed complete.

5.3 RESIDENTIAL SAMPLING

5.3.1 CONFIRMATORY SAMPLING

Indoor air and crawlspace air or subslab vapor sampling, as applicable, will be completed at selected residences, as described in Sections 5.2.1, 5.2.2, and 5.2.3. Confirmatory sampling will include collection of at least one indoor air sample from each occupied level of the residence. Confirmatory sampling will continue at the selected residences until there are a total of three rounds of confirmatory sampling data, including the existing data set. As applicable, crawlspace air samples or subslab vapor samples from existing vapor probes also will be collected during confirmatory sampling

events. Once confirmatory sampling clears a residence or Zone, no further residential VI sampling is proposed.

5.4 MITIGATION SYSTEMS

5.4.1 INSTALLATION OF NEW SYSTEMS

In the event new mitigation systems are warranted based on the multiple lines approach detailed above, new mitigation systems are necessary, the general approach for mitigation system design, installation, inspection, and clearance sampling documentation will be consistent with the procedure documented in the U.S. EPA-approved "*Vapor Intrusion Mitigation Interim Measures Design Program*" (CRA, March 25, 2010), except that any new mitigation systems will be active systems (SSD or SMD) that include a powered fan.

5.4.2 CLEARANCE SAMPLING

Clearance sampling will be conducted at residences where active vapor mitigation systems are installed to ensure the system is effective consistent the with U.S. EPA-approved "*Vapor Intrusion Mitigation Interim Measures Design Program*" (CRA, March 25, 2010). Once a mitigated residence is cleared, no further indoor air sampling is proposed.

5.4.3 OPERATION, MAINTENANCE, AND MONITORING

Operation, maintenance, and monitoring (OM&M) will be performed consistent with "*Operation, Maintenance, and Monitoring (OM&M) Manual for Residential Vapor Intrusion Mitigation Systems*" (CRA, March 25, 2010).

The timeframe that the vapor mitigation systems will need to be operated at the residences will be discussed in the Corrective Measures Study (CMS). Conceptually, some combination of groundwater and soil vapor data would be used to determine when the systems are no longer required. As discussed in the Hydrogeologic Modeling Report and evidenced by the most recent groundwater analytical data (see RFI Addendum 3), the soil and groundwater ICMs will result in a decrease in the PCE and TCE concentrations in the groundwater beneath the residences over time thus reducing the available mass of PCE and TCE in the subsurface contributing to VI.

5.5 RESIDENTIAL ACCESS

Where agreements do not already exist, an access agreement will be required to perform the work described herein. Attempts to gain access at residences where no access agreement has been entered will be performed consistent with the procedures documented in "Vapor Intrusion Mitigation Corrective Measures Work Plan (CRA, December 28, 2009).

Regardless of whether an access agreement is in place or not, for owners who refuse to grant access, Kraft Foods will issue a formal refusal document to the owner by certified mail. Further efforts to obtain access will be terminated, and the matter will be referred to U.S. EPA, along with a summary of the owner's information and efforts to obtain access to that date.

6.0 DATA MANAGEMENT PLAN AND QUALITY ASSURANCE PROJECT PLAN

6.1 DATA MANAGEMENT AND REPORTING PLAN

6.1.1 DATA MANAGEMENT

CRA's Indianapolis, Indiana office is registered to the International Standards Organization's ISO 9001-2008 standard. CRA's Quality System Manual standard describes the protocols for the filing of project-related materials. These protocols will be adhered to for filing of project-related materials associated with this project. Data generated in the field will be recorded in field logbooks or on standard forms. The field data will be maintained in CRA's project file located in Indianapolis, Indiana under the unique project number consistent with CRA's Quality System.

The requirements relating analytical and field data management are outlined in the Quality Assurance Project Plan (QAPP). Analytical data will be provided by the project laboratory in an electronic data deliverables (EDD) package that is compatible with CRA's electronic database software. The analytical data will be uploaded to CRA's database by a database technician and, upon completion of the data validation by CRA's project chemist, the appropriate qualifiers will be added to the analytical data in the database. The analytical database will be stored on CRA's secure server and associated with the unique project number that CRA has assigned to this project (019190). Data entered into the database can be used to generate summary tables and figures, as appropriate, for use in evaluation and reporting of data.

6.1.2 DATA REPORTING

A monthly status update will be included in the existing ICM monthly status reports (or future CM status reports) summarizing the activities for the previous calendar month associated with this work including activities associated with obtaining access agreements, inspection, design, and vapor mitigation system installation, any difficulties encountered and actions taken to resolve the difficulties, anticipated work during the next reporting period, and any changes in the key personnel. The monthly status report also will include any system completion forms and as-built drawings compiled during the previous month. Additionally, the status report will include any validated analytical data, compiled in tabular format, obtained during the previous calendar month. The analytical data will be compared to the action levels developed in Section 2.4 of this Work Plan for indoor air, crawlspace, and subslab analytical results. The status report

will be submitted to U.S. EPA on the 15th day of the calendar month or, in the event the 15th day falls on a weekend or federal holiday, the first business day thereafter.

Upon completion of the investigation and mitigation activities described in this Work Plan, the VI investigation will be considered complete and no further monitoring will be necessary. O&M of the installed mitigation systems will continue until such time as the systems are no longer required as described in Section 5.4.3. A final VI mitigation report will be submitted to U.S. EPA summarizing the VI investigation and mitigation activities and the completed multiple lines of evidence evaluation by zone or individual residence, as appropriate, within 60 days of completion of the investigation and mitigation work.

6.2 QUALITY ASSURANCE PROJECT PLAN

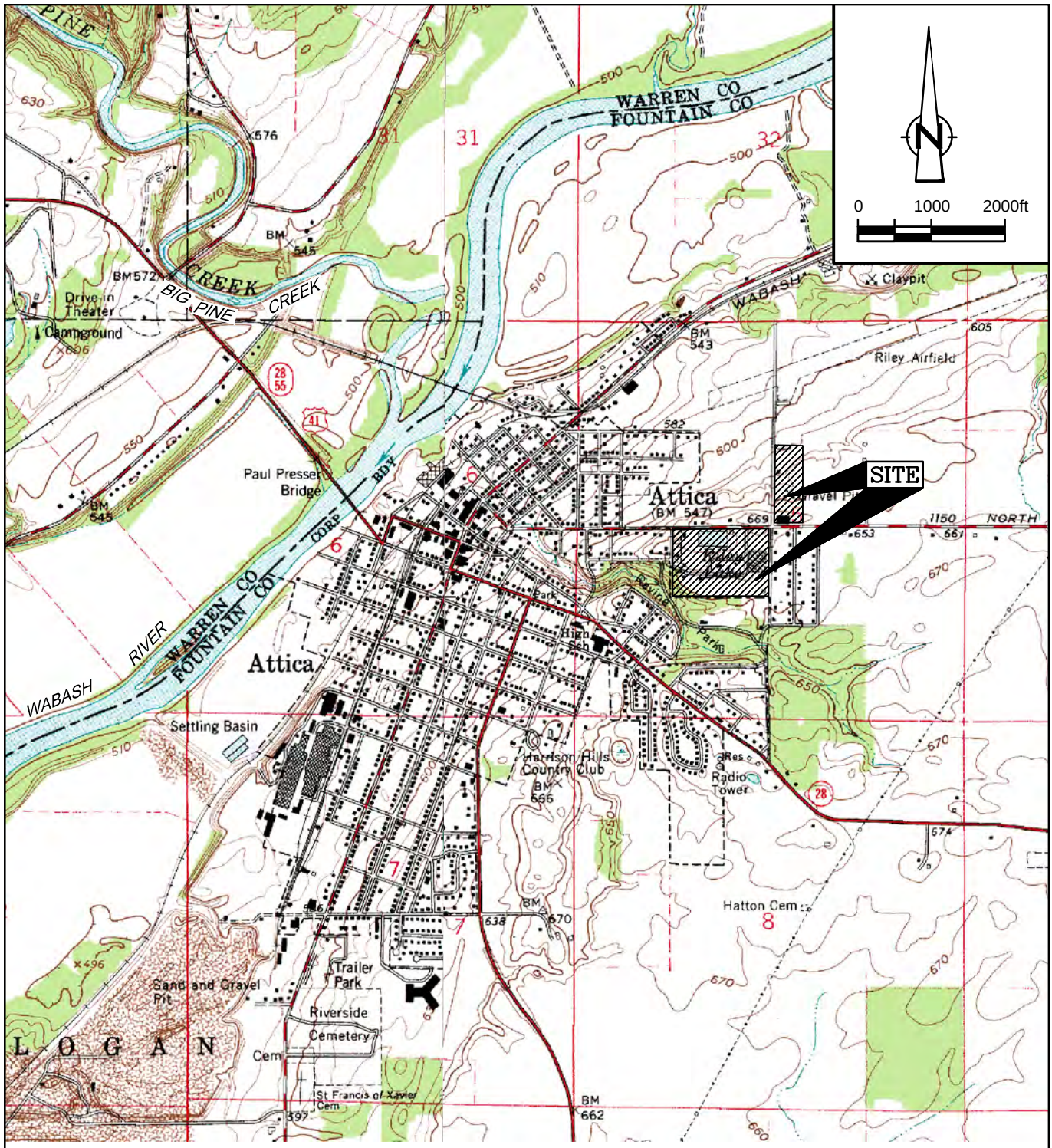
The sampling method for collection of soil vapor, ambient air, subslab, and indoor air samples will be changed from TO-14A/TO-15 to TO-17 (sampling for VOCs using active sampling onto sorbent tubes). Use of this method would reduce overall sampling/analytical costs and an increase sampling flexibility (less reliance on availability of Summa canisters). This method is accepted by the U.S. EPA but would require a modification to the existing Quality Assurance Project Plan (QAPP) to implements. The QAPP will be revised and the revised pages provided to the U.S. EPA for review and approval within 30 days of the receipt of approval from U.S. EPA of this Work Plan.

7.0 PUBLIC INVOLVEMENT PLAN

U.S. EPA will conduct public meetings, issue fact sheets, or conduct other public involvement activities as it deems appropriate related to the RMC RFI and the ICMs. Kraft Foods and its contractors will, if directed by the U.S. EPA, assist the U.S. EPA by providing information regarding the Facility's history, participating in public meetings, assisting in preparing fact sheets for distribution to the general public, or conducting other public involvement activities approved by the U.S. EPA in communicating the proposed vapor mitigation ICMs to the public. Community involvement activities will be scheduled as directed by the U.S. EPA.

A document repository is maintained at the Attica Public Library located at 305 South Perry Street in Attica, Indiana. The documents are maintained in a dedicated filing cabinet that may be accessed by the public. CRA staff update the document repository regularly.

FIGURES

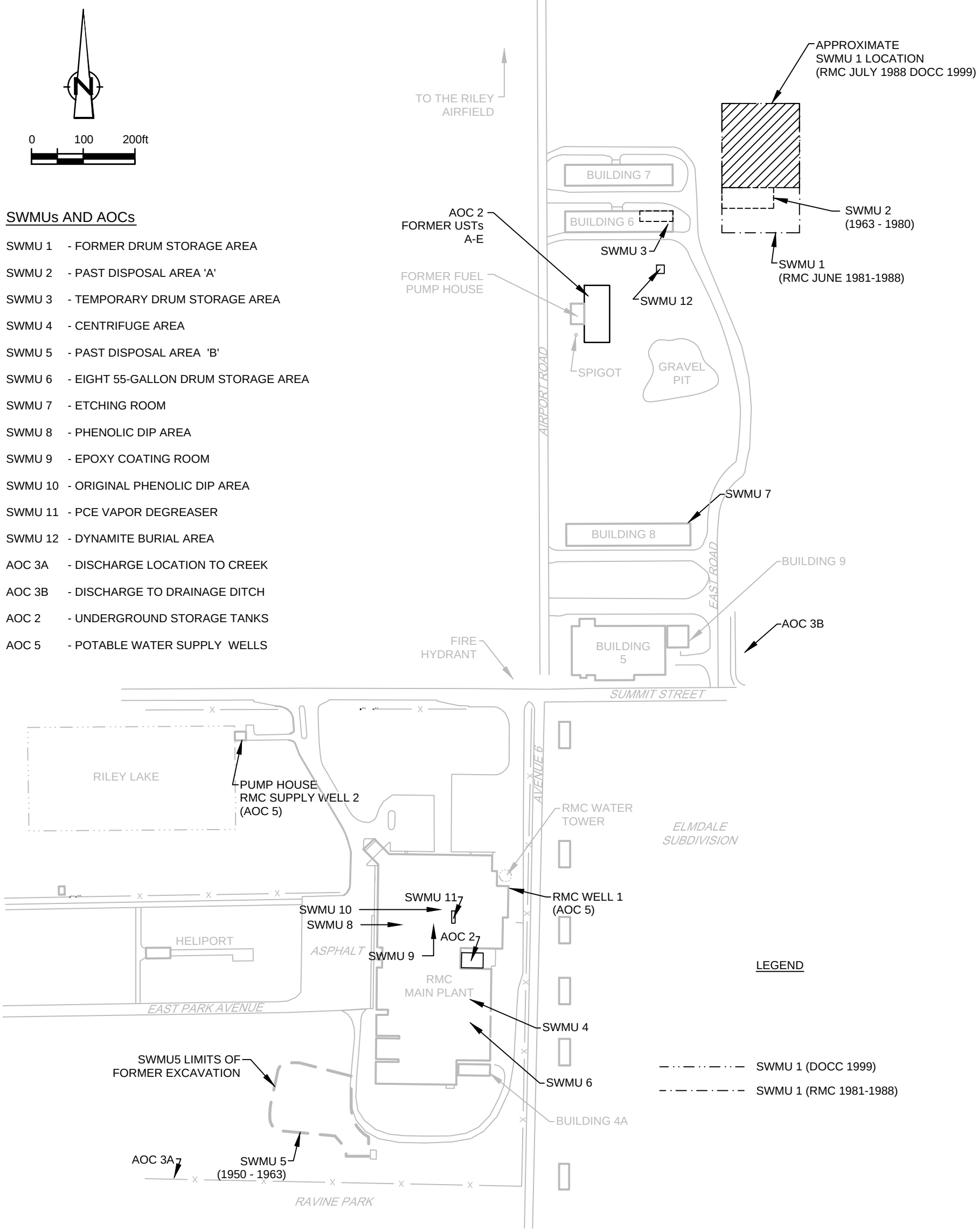


SOURCE: ATTICA AND WILLIAMSPORT, INDIANA
U.S.G.S. TOPOGRAPIC MAPS

figure 1.1

SITE LOCATION
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-00(055)GN-WA002 SEP 18/2013



SWMUs AND AOCs

SWMU 1 - FORMER DRUM STORAGE AREA
SWMU 2 - PAST DISPOSAL AREA 'A'
SWMU 3 - TEMPORARY DRUM STORAGE AREA
SWMU 4 - CENTRIFUGE AREA
SWMU 5 - PAST DISPOSAL AREA 'B'
SWMU 6 - EIGHT 55-GALLON DRUM STORAGE AREA
SWMU 7 - ETCHING ROOM
SWMU 8 - PHENOLIC DIP AREA
SWMU 9 - EPOXY COATING ROOM
SWMU 10 - ORIGINAL PHENOLIC DIP AREA
SWMU 11 - PCE VAPOR DEGREASER
SWMU 12 - DYNAMITE BURIAL AREA
AOC 3A - DISCHARGE LOCATION TO CREEK
AOC 3B - DISCHARGE TO DRAINAGE DITCH
AOC 2 - UNDERGROUND STORAGE TANKS
AOC 5 - POTABLE WATER SUPPLY WELLS

NOTE:

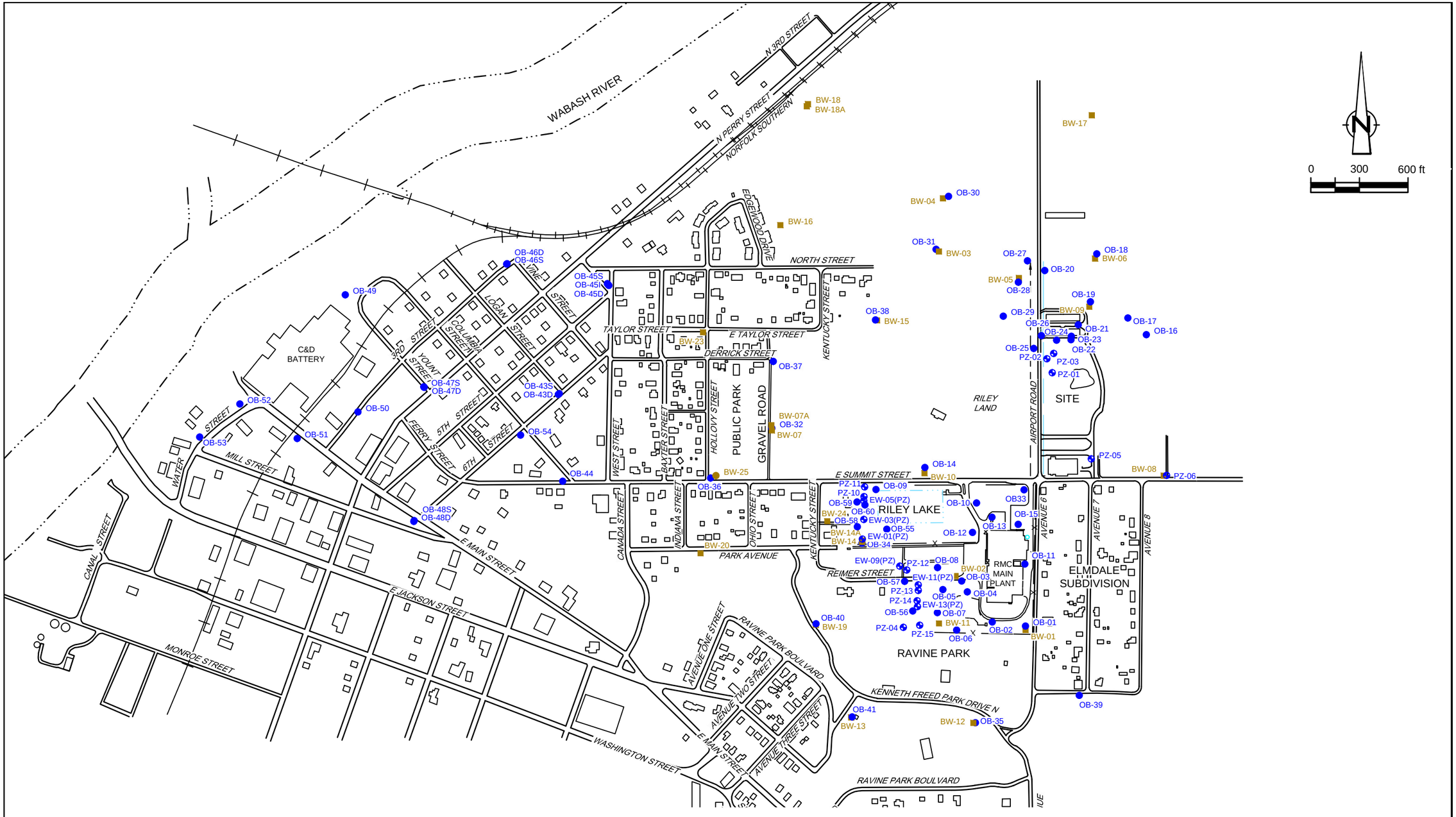
SWMU 1 APPEARS TO HAVE VARIED IN SIZE FROM THE EXTENTS SHOWN IN RMC DRAWINGS (1981 TO 1988) TO THE DOCC REPORT (1999)

figure 1.2

SITE PLAN WITH SWMUs AND AOCs
RADIO MATERIALS CORPORATION
Attica, Indiana

SOURCE: PHASE I RFI (2000)

19190-00(055)GN-WA003 SEP 26/2013



LEGEND

OB-34 ● EXISTING OVERBURDEN MONITORING WELL LOCATION AND IDENTIFIER

BW-7 ■ EXISTING BEDROCK MONITORING WELL LOCATION AND IDENTIFIER

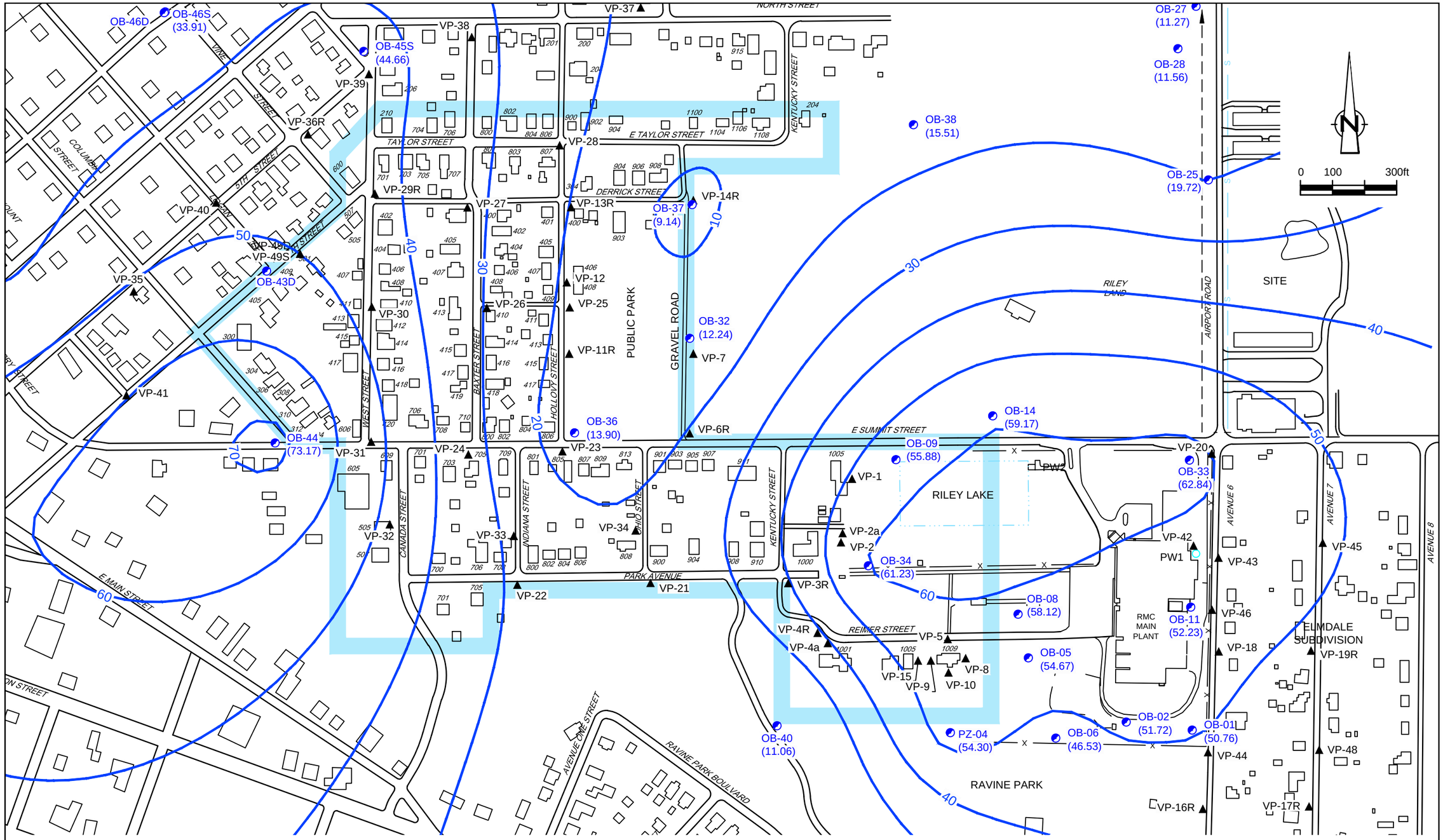
PZ-01 ◉ EXISTING OVERBURDEN PIEZOMETER LOCATION

CRA

figure 3.1

PIEZOMETER AND MONITORING WELL LOCATIONS
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-00(055)GN-WA004 SEP 26/2013



LEGEND

VP-18 ▲	VAPOR PROBE
OB-50 ◐	WELL ID
(13.90)	AVERAGE DEPTH TO GROUNDWATER
—60—	AVERAGE DEPTH TO GROUNDWATER CONTOUR

NOTES:

1. AVERAGE DEPTH TO GROUNDWATER DETERMINED USING ALL AVAILABLE GAUGING DATA
2. STUDY AREA OUTLINED IN BLUE FROM VAPOR INTRUSION MITIGATION INTERIM CORRECTIVE MEASURES WORK PLAN (CRA, OCTOBER 5, 2009)

figure 3.2

AVERAGE DEPTH-TO-GROUNDWATER CONTOURS
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-00(055)GN-WA005 SEP 26/2013

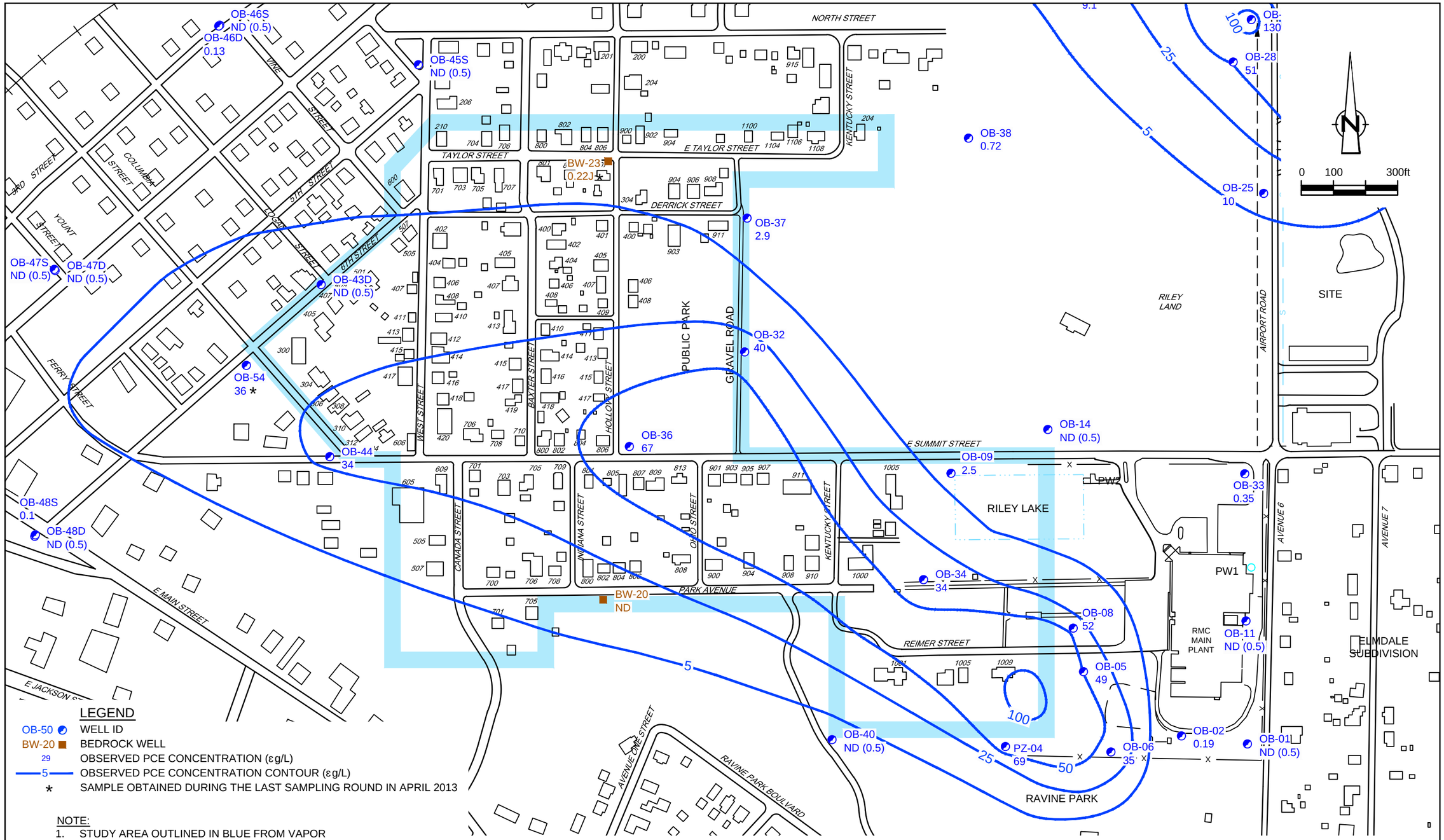
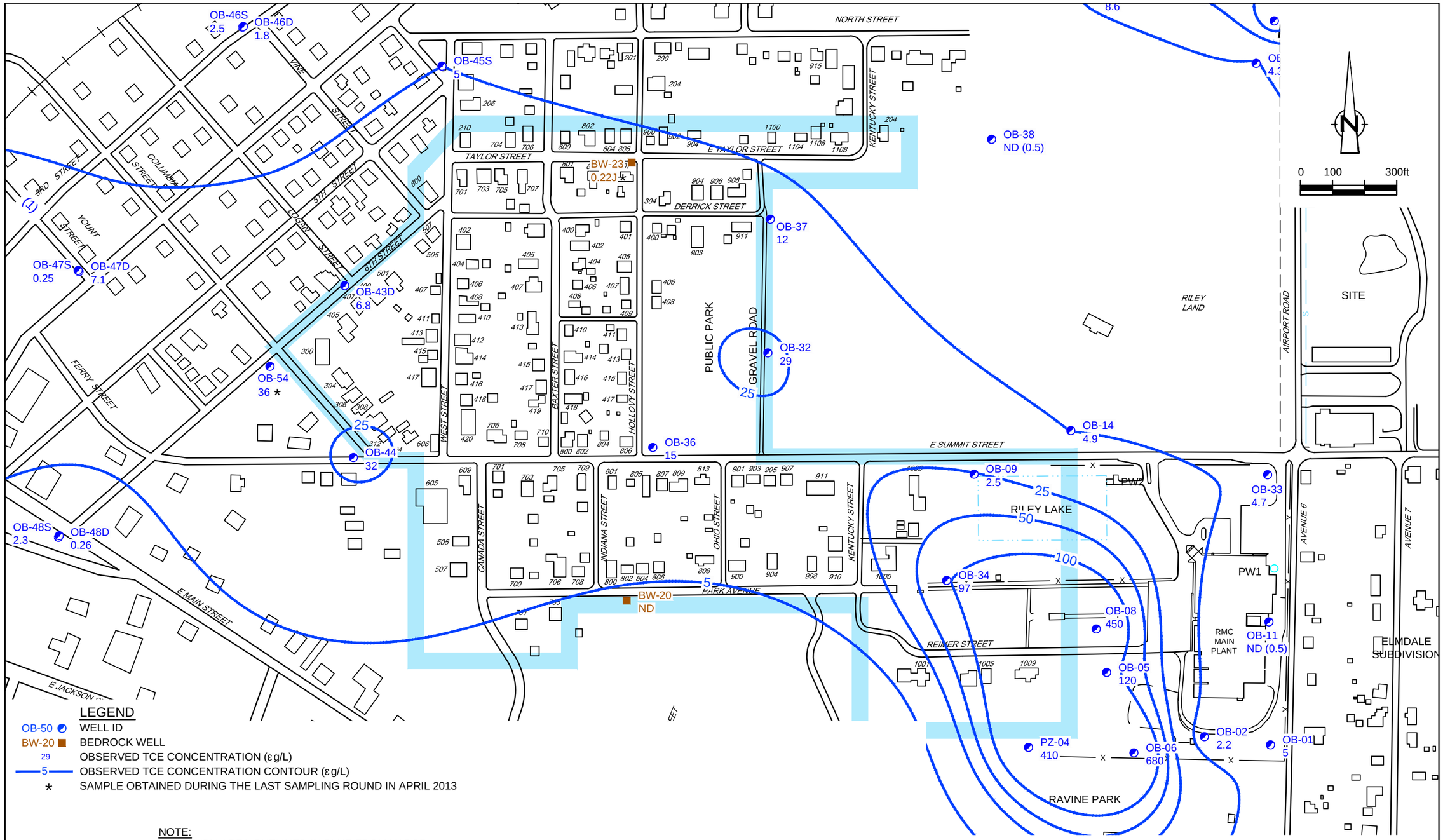


figure 3.3

PCE CONCENTRATIONS IN SHALLOW GROUNDWATER - OCTOBER 2010
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-00(055)GN-WA006 SEP 26/2013



LEGEND

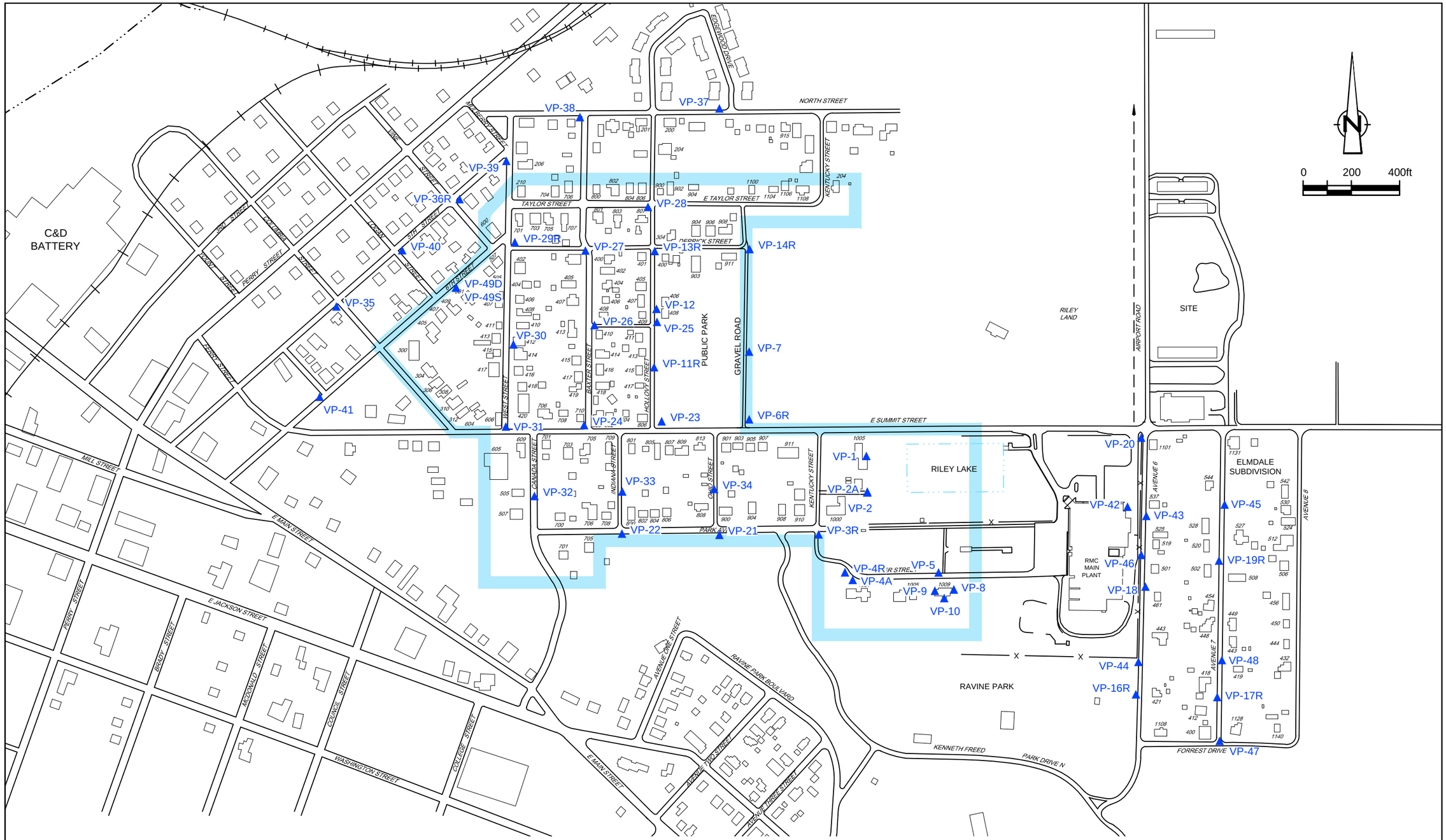
OB-50	WELL ID
BW-20	BEDROCK WELL
29	OBSERVED TCE CONCENTRATION (εg/L)
5	OBSERVED TCE CONCENTRATION CONTOUR (εg/L)
*	SAMPLE OBTAINED DURING THE LAST SAMPLING ROUND IN APRIL 2013

NOTE:
1. STUDY AREA OUTLINED IN BLUE FROM VAPOR INTRUSION MITIGATION INTERIM CORRECTIVE MEASURES WORK PLAN (CRA, OCTOBER 5, 2009)

figure 3.4

TCE CONCENTRATIONS IN SHALLOW GROUNDWATER - OCTOBER 2010
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-00(055)GN-WA007 SEP 26/2013



LEGEND

VP-1 ▲ EXISTING VAPOR MONITORING PROBE LOCATION/IDENTIFIER

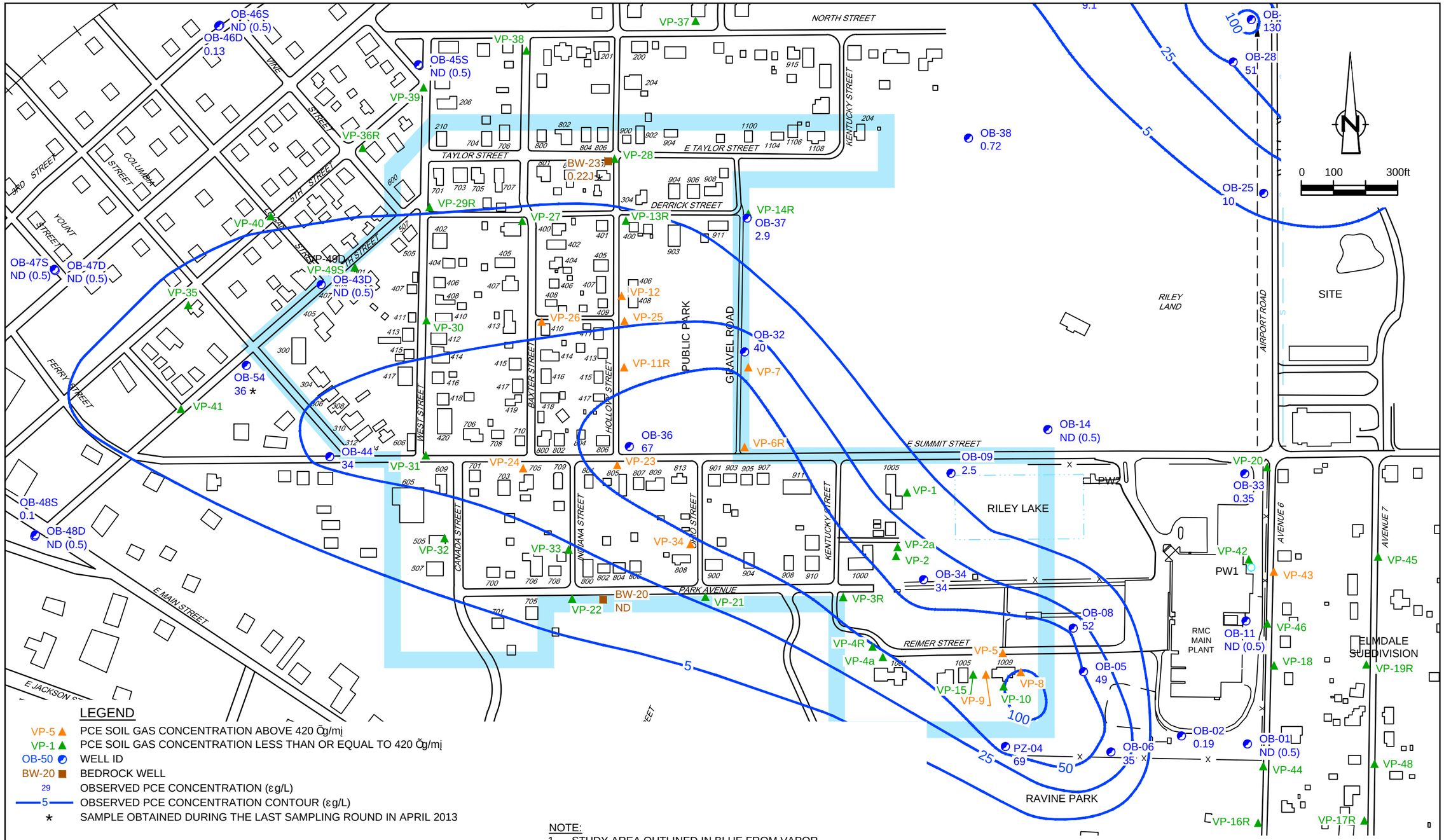
NOTE:

1. STUDY AREA OUTLINED IN BLUE FROM VAPOR INTRUSION MITIGATION INTERIM CORRECTIVE MEASURES WORK PLAN (CRA, OCTOBER 5, 2009)

figure 3.5

SOIL VAPOR PROBE LOCATIONS
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-00(055)GN-WA008 SEP 26/2013



LEGEND

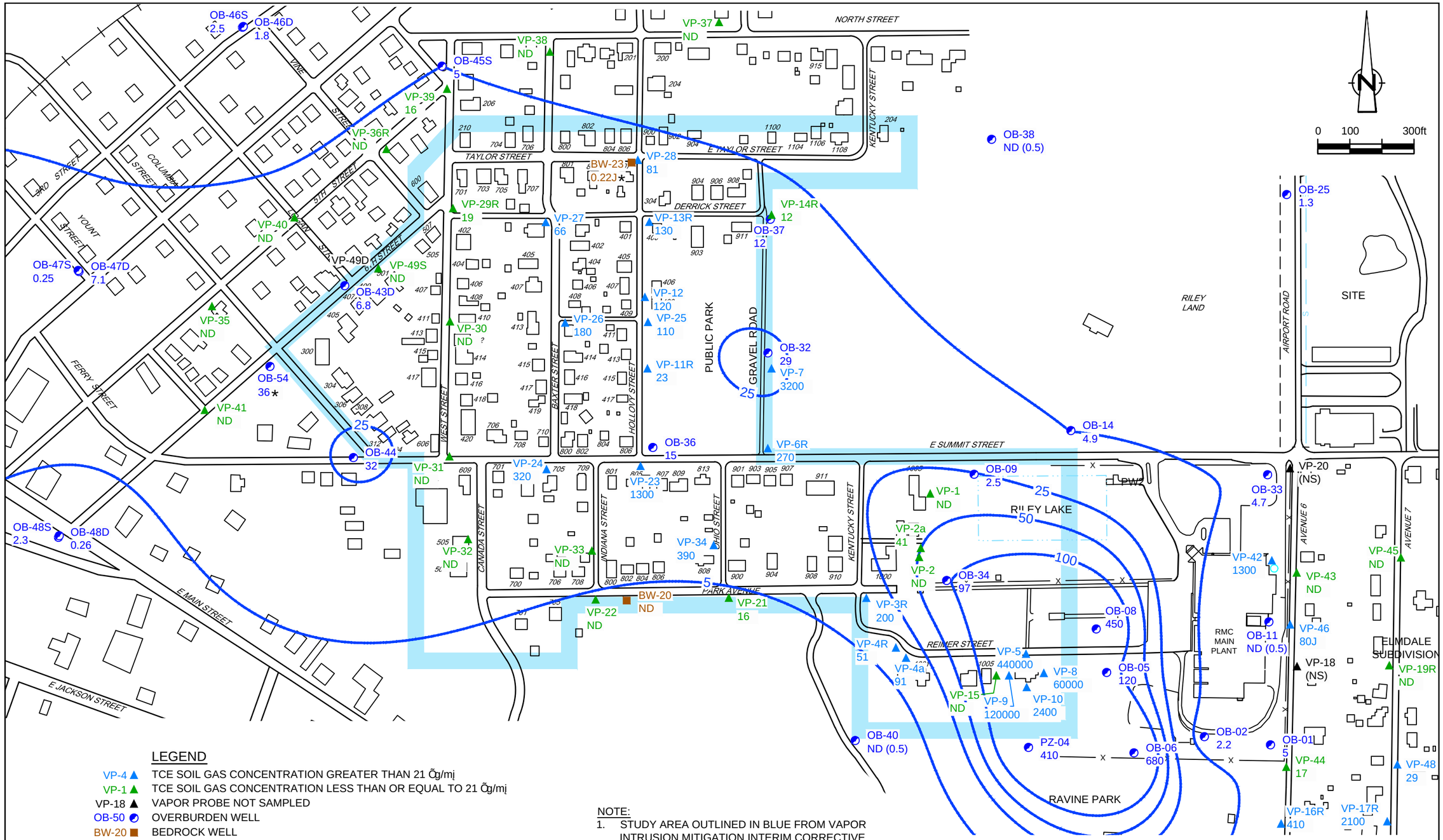
- VP-5 ▲ PCE SOIL GAS CONCENTRATION ABOVE 420 Õg/mj
- VP-1 ▲ PCE SOIL GAS CONCENTRATION LESS THAN OR EQUAL TO 420 Õg/mj
- OB-50 ◐ WELL ID
- BW-20 ■ BEDROCK WELL
- 29 OBSERVED PCE CONCENTRATION (εg/L)
- 5 OBSERVED PCE CONCENTRATION CONTOUR (εg/L)
- * SAMPLE OBTAINED DURING THE LAST SAMPLING ROUND IN APRIL 2013

NOTE:
1. STUDY AREA OUTLINED IN BLUE FROM VAPOR INTRUSION MITIGATION INTERIM CORRECTIVE MEASURES WORK PLAN (CRA, OCTOBER 5, 2009)

figure 3.6

PCE SOIL GAS CONCENTRATION SUMMARY
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-00(055)GN-WA011 SEP 26/2013



LEGEND

- VP-4 ▲ TCE SOIL GAS CONCENTRATION GREATER THAN 21 Õg/mị
- VP-1 ▲ TCE SOIL GAS CONCENTRATION LESS THAN OR EQUAL TO 21 Õg/mị
- VP-18 ▲ VAPOR PROBE NOT SAMPLED
- OB-50 ◐ OVERBURDEN WELL
- BW-20 ■ BEDROCK WELL
- 29 OBSERVED TCE CONCENTRATION (εg/L)
- —5— OBSERVED TCE CONCENTRATION CONTOUR (εg/L)
- * SAMPLE OBTAINED DURING THE LAST SAMPLING ROUND IN APRIL 2013

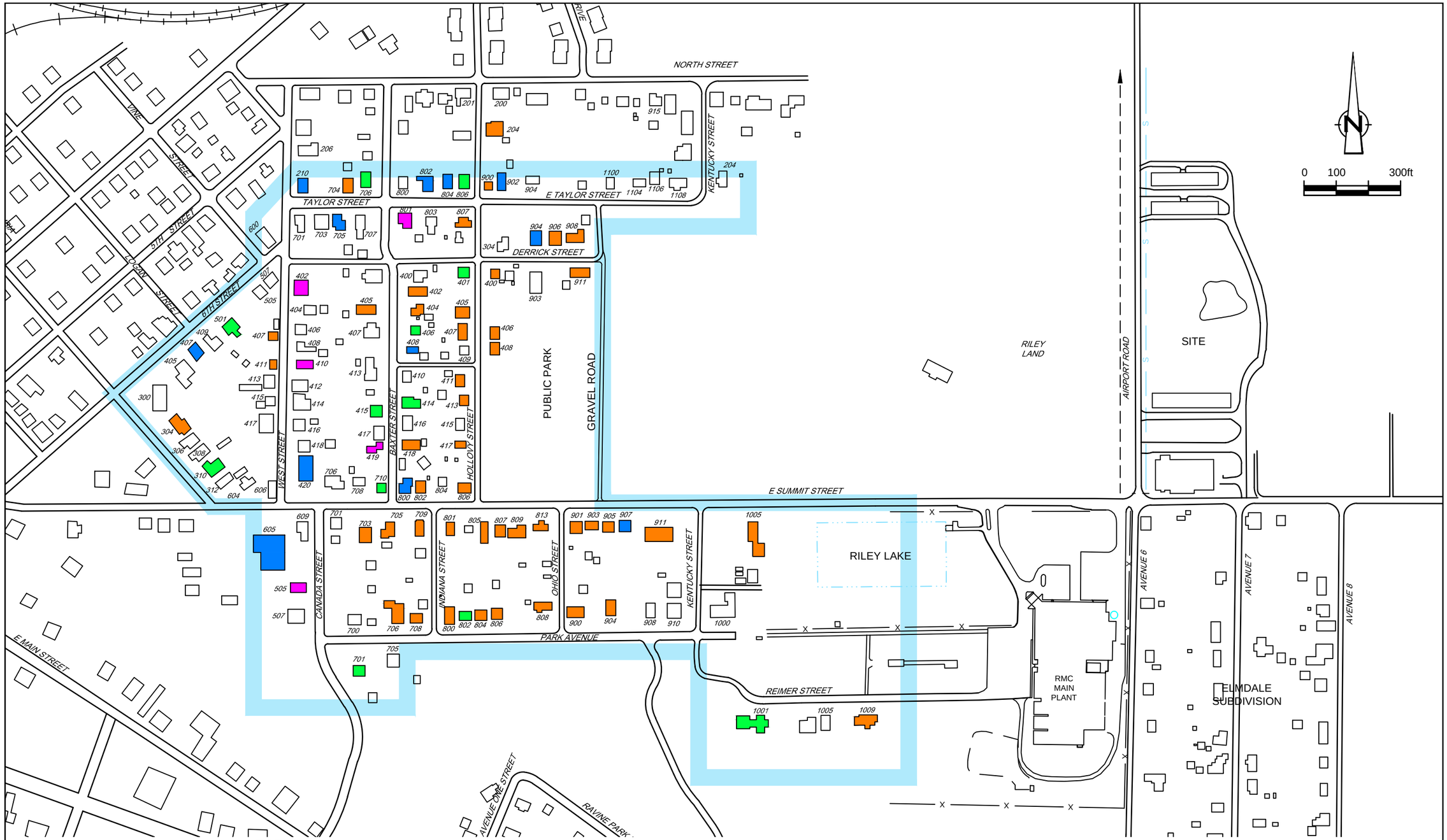
NOTE:

1. STUDY AREA OUTLINED IN BLUE FROM VAPOR INTRUSION MITIGATION INTERIM CORRECTIVE MEASURES WORK PLAN (CRA, OCTOBER 5, 2009)

figure 3.7

TCE SOIL GAS CONCENTRATION SUMMARY
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-00(055)GN-WA001 SEP 26/2013

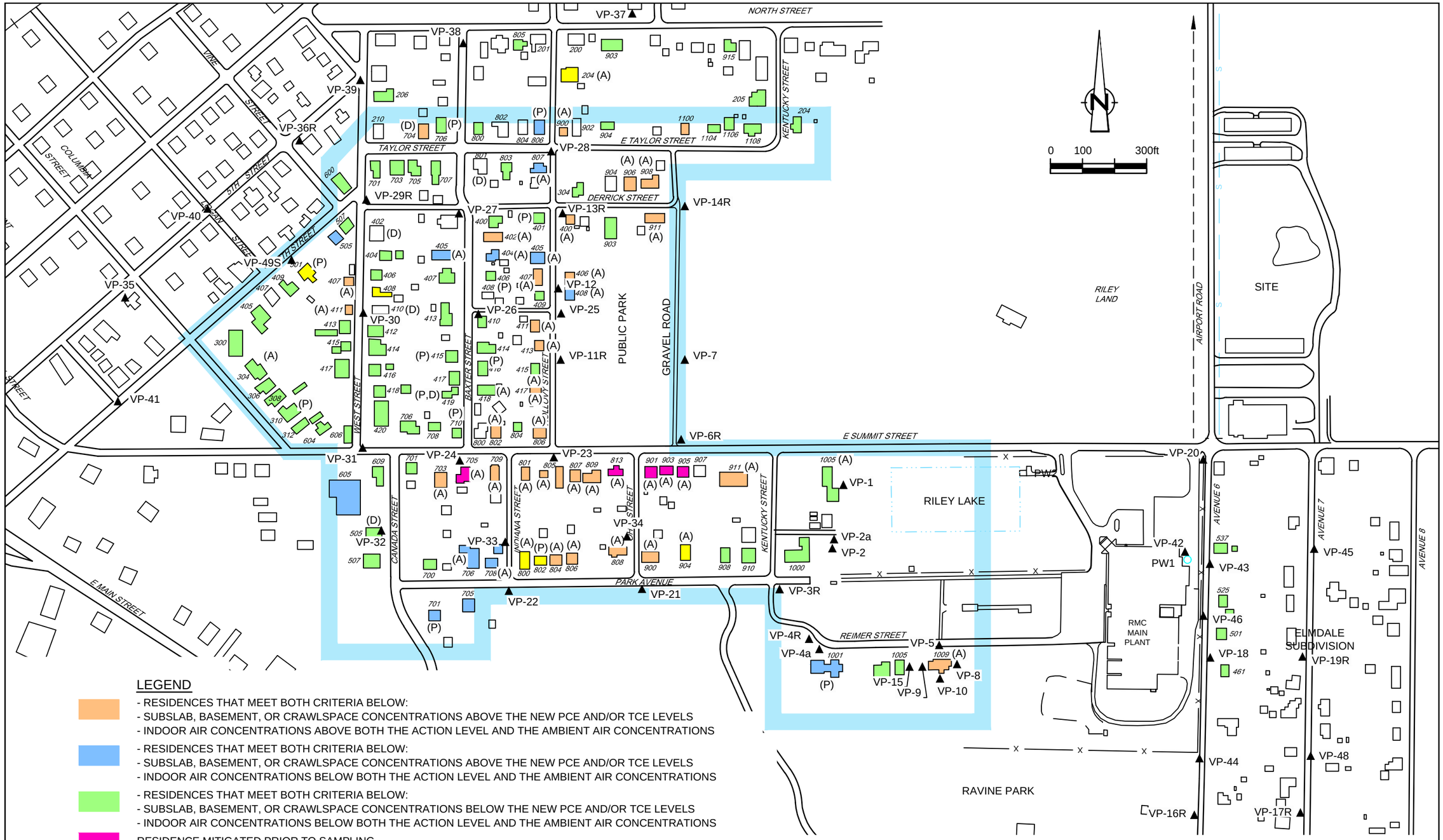


NOTE: ONE ROUND OF SAMPLING COMPLETED AT 605 CANADA, 705 TAYLOR, AND 420 WEST.

figure 3.8

SUMMARY OF VAPOR MITIGATION ACTIVITIES
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-00(055)GN-WA009 SEP 26/2013



LEGEND

- RESIDENCES THAT MEET BOTH CRITERIA BELOW:
  - SUBSLAB, BASEMENT, OR CRAWLSPACE CONCENTRATIONS ABOVE THE NEW PCE AND/OR TCE LEVELS
  - INDOOR AIR CONCENTRATIONS ABOVE BOTH THE ACTION LEVEL AND THE AMBIENT AIR CONCENTRATIONS
- RESIDENCES THAT MEET BOTH CRITERIA BELOW:
  - SUBSLAB, BASEMENT, OR CRAWLSPACE CONCENTRATIONS ABOVE THE NEW PCE AND/OR TCE LEVELS
  - INDOOR AIR CONCENTRATIONS BELOW BOTH THE ACTION LEVEL AND THE AMBIENT AIR CONCENTRATIONS
- RESIDENCES THAT MEET BOTH CRITERIA BELOW:
  - SUBSLAB, BASEMENT, OR CRAWLSPACE CONCENTRATIONS BELOW THE NEW PCE AND/OR TCE LEVELS
  - INDOOR AIR CONCENTRATIONS BELOW BOTH THE ACTION LEVEL AND THE AMBIENT AIR CONCENTRATIONS

RESIDENCE MITIGATED PRIOR TO SAMPLING

RESIDENCE WITH SUSPECTED NON RMC-RELATED SOURCE

(A) ACTIVE MITIGATION SYSTEM INSTALLED

(P) PASSIVE MITIGATION SYSTEM INSTALLED

(D) RESIDENCE DEMOLISHED

VP-5 ▲ EXISTING VAPOR MONITORING PROBE LOCATION/IDENTIFIER

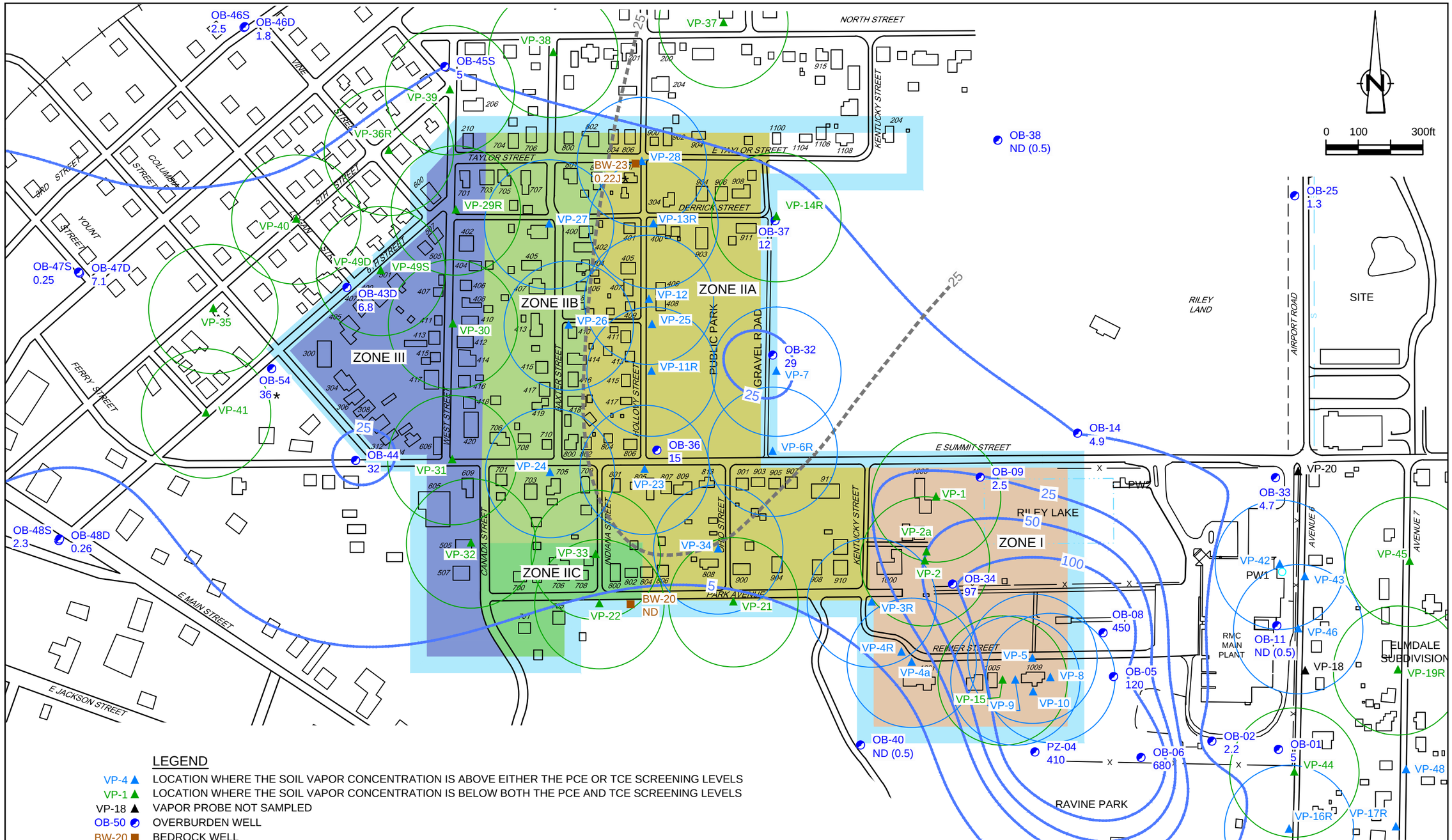
NOTE:

1. STUDY AREA OUTLINED IN BLUE FROM VAPOR INTRUSION MITIGATION INTERIM CORRECTIVE MEASURES WORK PLAN (CRA, OCTOBER 5, 2009)

figure 3.9

SUMMARY OF RESIDENTIAL VI DATA
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-00(055)GN-WA010 SEP 26/2013



LEGEND

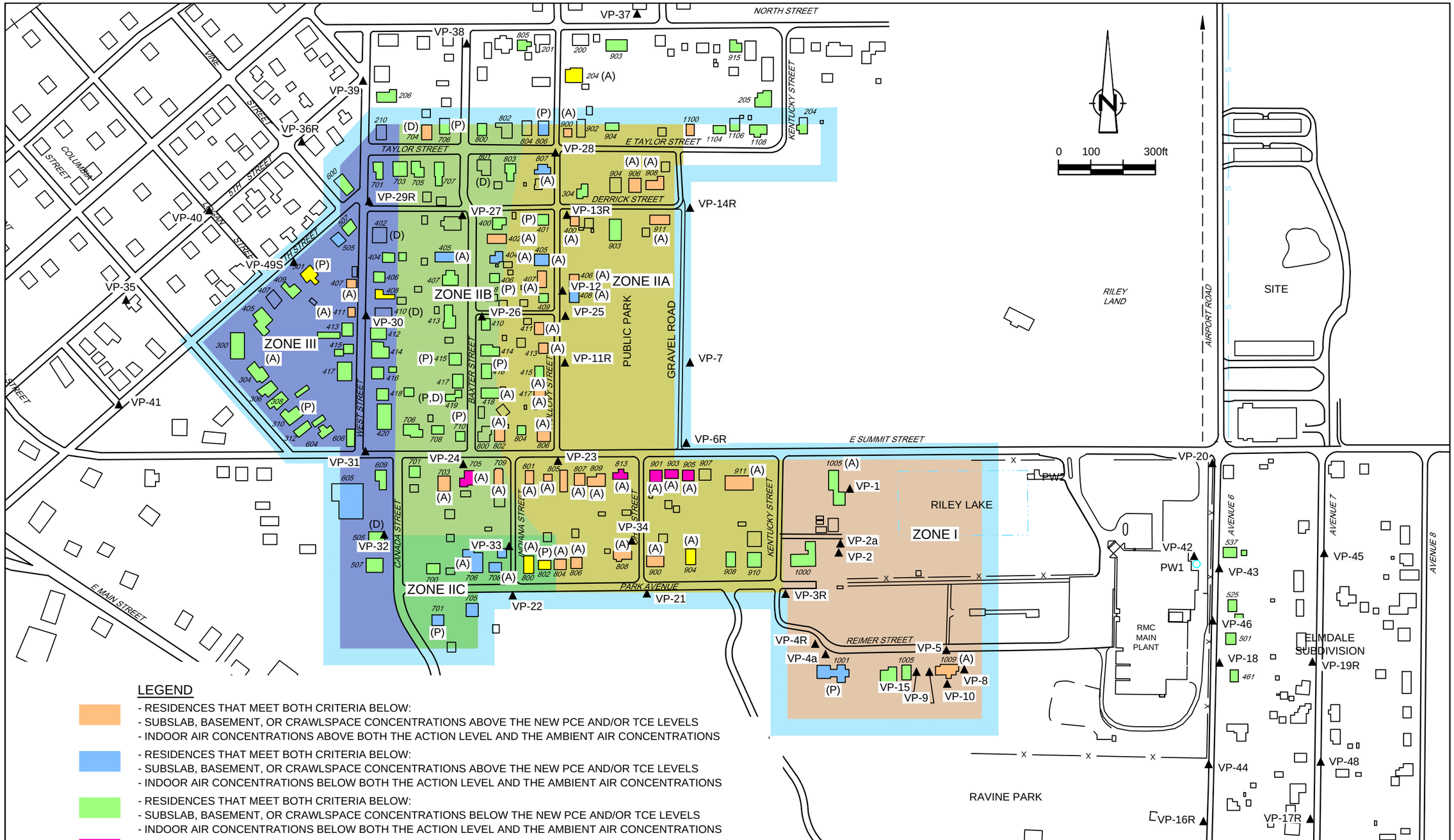
- VP-4 ▲ LOCATION WHERE THE SOIL VAPOR CONCENTRATION IS ABOVE EITHER THE PCE OR TCE SCREENING LEVELS
- VP-1 ▲ LOCATION WHERE THE SOIL VAPOR CONCENTRATION IS BELOW BOTH THE PCE AND TCE SCREENING LEVELS
- VP-18 ▲ VAPOR PROBE NOT SAMPLED
- OB-50 ◐ OVERBURDEN WELL
- BW-20 ■ BEDROCK WELL
- 29 OBSERVED TCE CONCENTRATION (εg/L)
- —5— OBSERVED TCE CONCENTRATION CONTOUR (εg/L)
- * SAMPLE OBTAINED DURING THE LAST SAMPLING ROUND IN APRIL 2013
- - -25- - AVERAGE DEPTH TO GROUNDWATER CONTOUR

NOTE:
1. STUDY AREA OUTLINED IN BLUE FROM VAPOR INTRUSION MITIGATION INTERIM CORRECTIVE MEASURES WORK PLAN (CRA, OCTOBER 5, 2009)

figure 4.1

VAPOR INTRUSION ZONES
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-00(055)GN-WA012 SEP 26/2013



LEGEND

- RESIDENCES THAT MEET BOTH CRITERIA BELOW:
  - SUBSLAB, BASEMENT, OR CRAWLSPACE CONCENTRATIONS ABOVE THE NEW PCE AND/OR TCE LEVELS
  - INDOOR AIR CONCENTRATIONS ABOVE BOTH THE ACTION LEVEL AND THE AMBIENT AIR CONCENTRATIONS
- RESIDENCES THAT MEET BOTH CRITERIA BELOW:
  - SUBSLAB, BASEMENT, OR CRAWLSPACE CONCENTRATIONS ABOVE THE NEW PCE AND/OR TCE LEVELS
  - INDOOR AIR CONCENTRATIONS BELOW BOTH THE ACTION LEVEL AND THE AMBIENT AIR CONCENTRATIONS
- RESIDENCES THAT MEET BOTH CRITERIA BELOW:
  - SUBSLAB, BASEMENT, OR CRAWLSPACE CONCENTRATIONS BELOW THE NEW PCE AND/OR TCE LEVELS
  - INDOOR AIR CONCENTRATIONS BELOW BOTH THE ACTION LEVEL AND THE AMBIENT AIR CONCENTRATIONS
- RESIDENCE MITIGATED PRIOR TO SAMPLING
- RESIDENCE WITH SUSPECTED NON RMC-RELATED SOURCE

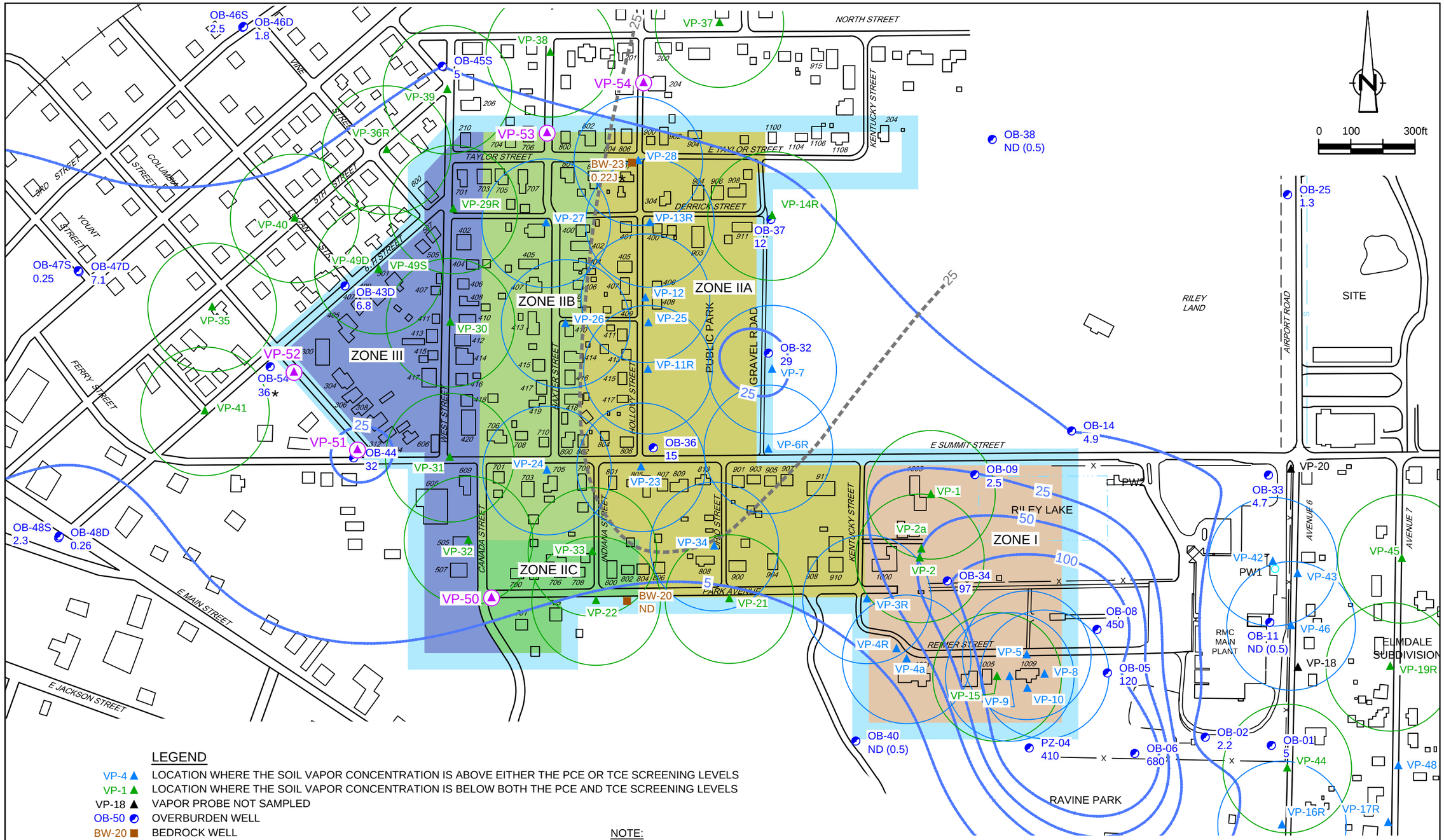
(A) ACTIVE MITIGATION SYSTEM INSTALLED
(P) PASSIVE MITIGATION SYSTEM INSTALLED
(D) RESIDENCE DEMOLISHED
VP-5 ▲ EXISTING VAPOR MONITORING PROBE LOCATION/IDENTIFIER

NOTE:
1. STUDY AREA OUTLINED IN BLUE FROM VAPOR INTRUSION MITIGATION INTERIM CORRECTIVE MEASURES WORK PLAN (CRA, OCTOBER 5, 2009)

figure 4.2

SUMMARY OF RESIDENTIAL VI DATA
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-00(055)GN-WA013 SEP 26/2013



LEGEND

- VP-4 ▲ LOCATION WHERE THE SOIL VAPOR CONCENTRATION IS ABOVE EITHER THE PCE OR TCE SCREENING LEVELS
- VP-1 ▲ LOCATION WHERE THE SOIL VAPOR CONCENTRATION IS BELOW BOTH THE PCE AND TCE SCREENING LEVELS
- VP-18 ▲ VAPOR PROBE NOT SAMPLED
- OB-50 ◐ OVERBURDEN WELL
- BW-20 ■ BEDROCK WELL
- 29 OBSERVED TCE CONCENTRATION (εg/L)
- —5— OBSERVED TCE CONCENTRATION CONTOUR (εg/L)
- ★ SAMPLE OBTAINED DURING THE LAST SAMPLING ROUND IN APRIL 2013
- - -25- - - AVERAGE DEPTH TO GROUNDWATER CONTOUR
- VP-50 ▲ PROPOSED NEW VAPOR PROBE LOCATION

NOTE:

1. STUDY AREA OUTLINED IN BLUE FROM VAPOR INTRUSION MITIGATION INTERIM CORRECTIVE MEASURES WORK PLAN (CRA, OCTOBER 5, 2009)

figure 5.1

PROPOSED NEW VAPOR PROBE LOCATIONS
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-00(055)GN-WA014 SEP 26/2013

TABLE 3.1

AVERAGE GROUNDWATER AND SCREENED INTERVAL ELEVATION SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Well Identifier	*Average Depth to Groundwater (ft)*	*Reference Elevation (ft)*	*Screened Interval Elevation (ft)*		*Avg. Groundwater Elevation (ft)*
OB-01	50.76	658.48	605.98	595.98	607.72
OB-02	51.72	659.03	614.83	604.83	607.31
OB-03	55.91	661.93	612.65	602.65	606.02
OB-04	57.30	664.40	612.74	602.74	607.10
OB-05	54.67	660.40	611.18	601.18	605.73
OB-06R	46.53	653.35	600.03	590.03	606.82
OB-07	49.22	656.14	603.81	593.81	606.92
OB-08	58.12	662.24	603.69	593.69	604.12
OB-09	55.88	658.43	608.20	598.20	602.55
OB-10	62.68	666.39	606.46	596.46	603.71
OB-11	52.23	660.13	610.76	600.76	607.90
OB-12	60.22	664.47	611.35	601.35	604.25
OB-13	59.92	664.60	610.24	600.24	604.68
OB-14	59.17	662.32	607.26	597.26	603.15
OB-15	55.29	662.86	600.62	590.62	607.57
OB-32	12.24	597.71	585.76	575.76	585.47
OB-33	62.84	670.61	610.16	600.16	607.77
OB-34	61.23	663.52	602.92	592.92	602.29
OB-36	13.90	598.76	591.73	581.73	584.86
OB-37	9.14	587.02	576.30	571.30	577.88
OB-38	15.51	602.50	582.04	572.04	586.99
OB-39	37.61	649.01	616.91	606.91	611.40
OB-40	11.06	612.69	599.65	589.65	601.63
OB-43S	57.85	552.39	487.75	477.75	494.54
OB-44	73.17	568.62	492.82	482.82	495.45
OB-45S	44.66	538.98	489.12	479.12	494.32
OB-46SR	33.91	527.81	430.34	420.34	493.90
OB-47S	36.65	530.37	452.12	442.12	493.72
OB-48S	58.74	552.66	478.14	468.14	493.92
OB-54	60.66	554.21	454.38	444.38	493.55
PZ-04	54.30	657.75	608.38	598.38	603.45
BW-20	42.86	622.57	562.17	552.17	579.71
BW-23	49.85	562.74	512.19	502.19	512.89

- Denotes a well with a screened interval below the average water table elevation

TABLE 3.2

PROPOSED VAPOR PROBE NETWORK
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Vapor Probe Identifier	*Construction Type*	*Probe Depth (feet)*	*Screened Interval (feet)*	*Current Condition*	*Action*
VP-1	PVC	10	9-10	Good	Replace/Sample
VP-2	PVC	10	9-10	Good	Replace/Sample
VP-2a	PVC	17	16-17	Good	Close
VP-3R	Teflon	10	9.5-10	Good	Sample
VP-4R	Teflon	10	9.5-10	Unable to locate	Replace/Sample
VP-5	PVC	10	9-10	Unable to locate	None
VP-6R	Teflon	10	9.5-10	Unable to locate	Replace/Sample
VP-7	PVC	8	7-8	Good	Close
VP-8	PVC	10	9-10	Good	Replace/Sample
VP-9	PVC	10	9-10	Good	Close
VP-10	PVC	10	9-10	Good	Close
VP-11R	Teflon	5.5	4.5-5.5	Cover Damaged	Repair/Sample
VP-12	PVC	4	3-4	Destroyed	None
VP-13R	Teflon	9	8.5-9	Good	Sample
VP-14R	Teflon	7	6.5-7	Good	Sample
VP-16R	Teflon	18	17.7-18	Good	Close
VP-17R	Teflon	15	14.5-15	Good	Close
VP-18	Teflon	10	9.5-10	Good	Close
VP-19R	Teflon	20	19.5-20	Good	Close
VP-20	Teflon	10	9.5-10	Destroyed	None
VP-21	Teflon	10	9.5-10	Good	Sample
VP-22	Teflon	10	9.5-10	Good	Sample
VP-23	Teflon	10	9.5-10	Good	Sample
VP-24	Teflon	10	9.5-10	Destroyed	Replace/Sample
VP-25	Teflon	5	4.5-5	Good	Sample
VP-26	Teflon	10	9.5-10	Good	Sample
VP-27	Teflon	10	9.5-10	Destroyed	Sample
VP-28	Teflon	10	9.5-10	Good	Sample
VP-29R	Teflon	9.5	9-9.5	Good	Sample
VP-30	Teflon	10	9.5-10	Good	Sample
VP-31	Teflon	10	9.5-10	Good	Sample
VP-32	Teflon	10	9.5-10	Good	Sample
VP-33	Teflon	10	9.5-10	Good	Sample
VP-34	Teflon	10	9.5-10	Good	Sample
VP-35	Teflon	10	9.5-10	Good	Sample
VP-36R	Teflon	9.5	9-9.5	Destroyed	Replace/Sample
VP-37	Teflon	10	9.5-10	Good	Sample
VP-38	Teflon	9.5	9-9.5	Good	Sample
VP-39	Teflon	9.5	9-9.5	Good	Sample
VP-40	Teflon	9.5	9-9.5	Good	Sample
VP-41	Teflon	9.5	9-9.5	Good	Sample
VP-42	Teflon	9.5	9-9.5	Unable to locate	None
VP-43	Teflon	9.5	9-9.5	Good	None
VP-44	Teflon	3.8	3.3-3.8	Good	Close
VP-45	Teflon	6	5.5-6	Good	Close
VP-46	Teflon	5.5	5-5.5	Good	None
VP-47	Teflon	10.6	10.1-10.6	Good	Close
VP-48	Teflon	5	4.5-5	Good	Close
VP-49S	Teflon	20	19.5-20	Unable to locate	Replace/Sample
VP-49D	Teflon	49	48.5-49	Unable to locate	None
VP-50	Teflon	10	9.5-10	Proposed	Install/Sample
VP-51	Teflon	10	9.5-10	Proposed	Install/Sample
VP-52	Teflon	10	9.5-10	Proposed	Install/Sample
VP-53	Teflon	10	9.5-10	Proposed	Install/Sample
VP-54	Teflon	10	9.5-10	Proposed	Install/Sample

TABLE 5.1

SUMMARY OF ZONE II INFORMATION AND CONFIRMATORY SAMPLE LOCATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Street	*Address*	*VI Subzone*	*Mitigation System Type*	*Construction Type*			*Access Granted?*	*Action/Screening Exceedances?*	*Further Evaluation?*	*Rationale/ Comments*
				Basement	*Crawlspace*	*Slab*				
Baxter Street										
	400 Baxter	IIA	None	P,U	P	No		No	No	
	402 Baxter	IIA	Active	P,U	P	No		N/A	No	
	404 Baxter	IIA	Active	P,U	P	No		N/A	No	
	405 Baxter	IIB	Active	P,U	P	No		N/A	No	
	406 Baxter	IIA	Active	P,U	P	No		N/A	No	
	407 Baxter	IIB	None	No	Yes	No		No	No	
	408 Baxter	IIA	None		Not Available		No	N/A	No	
	410 Baxter	IIA	None	P,U	P	No		No	Yes	Previous TCE detections near 1 ug/m3
	413 Baxter	IIB	None	No	Yes	No		No	No	
	414 Baxter	IIA	Passive	U	No	No		TCE,SS	Yes	TCE detections in subslab, shallow groundwater
	415 Baxter	IIB	Passive	P,F	No	No		No	No	
	416 Baxter	IIA	None	No	Yes	No		No	No	
	417 Baxter	IIB	None	U	No	No		No	Yes	
	418 Baxter	IIA	Active	P,U	P	No		N/A	No	
	419 Baxter	IIB		Residence Demolished					No	
Derrick Street										
	903 Derrick	IIA	None		Trailer Residence			No	No	
	904 Derrick	IIA	None		Not Available		No		No	
	906 Derrick	IIA	Active	P,U	P	No		N/A	No	Removed system at request of resident
	908 Derrick	IIA	Active	No	Yes	No		N/A	No	
	911 Derrick	IIA	Active	No	No	Yes		N/A	No	
Hollovy Street										
	304 Hollovy	IIA	None	P,U	P	No		No	Yes	Previous TCE detections near 1 ug/m3
	400 Hollovy	IIA	Active	P,U	P	No		N/A	No	
	401 Hollovy	IIA	Passive	P,U	P	No		No	No	
	405 Hollovy	IIA	Active	P,U	P	No		N/A	No	
	406 Hollovy	IIA	Active	No	No	Yes		N/A	No	
	407 Hollovy	IIA	Active	No	Yes	No		N/A	No	
	408 Hollovy	IIA	Active	No	No	Yes		N/A	No	
	409 Hollovy	IIA	None	P,U	P	No		No	Yes	Partial basement, proximity to mitigated residences
	411 Hollovy	IIA	Active	No	No	Yes		N/A	No	
	413 Hollovy	IIA	Active	U	No	No		N/A	No	
	415 Hollovy	IIA	None	No	No	Yes		No	No	
	417 Hollovy	IIA	Active	P,U	P	No		N/A	No	

TABLE 5.1

SUMMARY OF ZONE II INFORMATION AND CONFIRMATORY SAMPLE LOCATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Street	Address	VI Subzone	Mitigation System Type	Construction Type: Basement	Construction Type: Crawlspace	Construction Type: Slab	Access Granted?	Action/Screening Exceedances?	Further Evaluation?	Rationale/ Comments
Park Avenue										
	700 Park Ave	IIC	None	PF	No	No		No	No	
	701 Park Ave	IIC	Passive	P,U	P	No		Yes, SS/IA	Yes	Passive system, TCE detections, Zone IIC
	705 Park Ave	IIC	None	P,U	P	No		Yes, SS/IA	Yes	TCE Detections, partial basement, Zone IIC
	706 Park Ave	IIC	Active	P,U	P	No		N/A	No	
	708 Park Ave	IIC	Active	P,U	P	No		N/A	No	
	800 Park Ave	IIC	Active	U	No	No		N/A	No	
	802 Park Ave	IIC	Passive	U	No	No		Yes, SS/IA	Yes	Potential IA source, Zone IIC
	804 Park Ave	IIA	Active	P,PF	P	No		N/A	No	
	806 Park Ave	IIA	Active	PF	No	No		N/A	No	
	808 Park Ave	IIA	Active	U	No	No		N/A	No	
	900 Park Ave	IIA	Active	PF	No	No		N/A	No	
	904 Park Ave	IIA	Active	U	No	No		N/A	No	
	908 Park Ave	IIA	None	P,U	P	No		No	No	
	910 Park Ave	IIA	None	P,U	P	No		No	No	
Summit Street										
	701 Summit	IIB	None	P.U	P	No		Yes, IA	Yes	Potential IA source
	703 Summit	IIB	Active	P.U	P	No		N/A	No	
	705 Summit	IIB	Active	P.U	P	No		N/A	No	
	706 Summit	IIB	None	P.U	P	No		No	No	
	708 Summit	IIB	None	P.U	P	No		No	No	
	709 Summit	IIB	Active	P.U	P	No		N/A	No	
	710 Summit	IIB	Passive	P.U	P	No		No	Yes	Proximity to VP-24, previous TCE detections near 1 ug/m3
	800 Summit	IIB	None	P.U	P	No			No	Previously vacant
	801 Summit	IIA	Active	P.U	P	No		N/A	No	
	802 Summit	IIA	Active	P.U	P	No		N/A	No	
	804 Summit	IIA	None	No	No	Yes		No	Yes	Proximity to VP-23 and mitigated residences
	805 Summit	IIA	Active	P,PF	No	No		N/A	No	
	806 Summit	IIA	Active	P.U	P	No		N/A	No	
	807 Summit	IIA	Active	P.U	P	No		N/A	No	
	809 Summit	IIA	Active	No	Yes	No		N/A	No	
	813 Summit	IIA	Active	P.U	P	No		N/A	No	
	901 Summit	IIA	Active	U	No	No		N/A	No	
	903 Summit	IIA	Active	No	Yes	No		N/A	No	
	905 Summit	IIA	Active	No	Yes	No		N/A	No	
	907 Summit	IIA	None		Not Available		No	N/A	No	
	911 Summit	IIA	Active	F	No	No		N/A	No	

TABLE 5.1

SUMMARY OF ZONE II INFORMATION AND CONFIRMATORY SAMPLE LOCATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Street	*Address*	*VI Subzone*	*Mitigation System Type*	*Construction Type*			*Access Granted?*	*Action/Screening Exceedances?*	*Further Evaluation?*	*Rationale/ Comments*
				Basement	*Crawlspace*	*Slab*				
Taylor Street										
	703 Taylor	IIB	None	PF	No	No				
	704 Taylor	IIB		Residence Demolished				N/A	No	
	705 Taylor	IIB	None	P,U	No	No	No	No	No	Resident denied access after 1 sampling round
	706 Taylor	IIB	Passive	P,U	P	No		No	No	
	707 Taylor	IIB	None	P,U	P	No		No	No	
	800 Taylor	IIB	None	P,U	P	No		No	No	
	801 Taylor	IIB		Residence Demolished				N/A	No	
	802 Taylor	IIB	None	U	No	No	No	N/A	No	
	803 Taylor	IIA	None	U	No	No		No	Yes	Previous TCE detections near 1 ug/m3
	804 Taylor	IIA	None		Not Available		No	N/A	No	
	806 Taylor	IIA	Passive	P,U	P	No		Yes, SS	Yes	Subslab TCE detections
	807 Taylor	IIA	Active	P,U	P	No		N/A	No	
	900 Taylor	IIA	Active	U	No	No		N/A	No	
	902 Taylor	IIA	None		Not Available		No	N/A	No	Previously vacant
	904 Taylor	IIA	None	P,U	P	No		No	No	

Abbreviations

P	Partial
U	Unfinished basement
PF	Partially finished basement
F	Finished basement
N/A	Not applicable
IA	Indoor air
SS	Subslab

TABLES

TABLE 3.1

AVERAGE GROUNDWATER AND SCREENED INTERVAL ELEVATION SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Well Identifier	*Average Depth to Groundwater (ft)*	*Reference Elevation (ft)*	*Screened Interval Elevation (ft)*		*Avg. Groundwater Elevation (ft)*
OB-01	50.76	658.48	605.98	595.98	607.72
OB-02	51.72	659.03	614.83	604.83	607.31
OB-03	55.91	661.93	612.65	602.65	606.02
OB-04	57.30	664.40	612.74	602.74	607.10
OB-05	54.67	660.40	611.18	601.18	605.73
OB-06R	46.53	653.35	600.03	590.03	606.82
OB-07	49.22	656.14	603.81	593.81	606.92
OB-08	58.12	662.24	603.69	593.69	604.12
OB-09	55.88	658.43	608.20	598.20	602.55
OB-10	62.68	666.39	606.46	596.46	603.71
OB-11	52.23	660.13	610.76	600.76	607.90
OB-12	60.22	664.47	611.35	601.35	604.25
OB-13	59.92	664.60	610.24	600.24	604.68
OB-14	59.17	662.32	607.26	597.26	603.15
OB-15	55.29	662.86	600.62	590.62	607.57
OB-32	12.24	597.71	585.76	575.76	585.47
OB-33	62.84	670.61	610.16	600.16	607.77
OB-34	61.23	663.52	602.92	592.92	602.29
OB-36	13.90	598.76	591.73	581.73	584.86
OB-37	9.14	587.02	576.30	571.30	577.88
OB-38	15.51	602.50	582.04	572.04	586.99
OB-39	37.61	649.01	616.91	606.91	611.40
OB-40	11.06	612.69	599.65	589.65	601.63
OB-43S	57.85	552.39	487.75	477.75	494.54
OB-44	73.17	568.62	492.82	482.82	495.45
OB-45S	44.66	538.98	489.12	479.12	494.32
OB-46SR	33.91	527.81	430.34	420.34	493.90
OB-47S	36.65	530.37	452.12	442.12	493.72
OB-48S	58.74	552.66	478.14	468.14	493.92
OB-54	60.66	554.21	454.38	444.38	493.55
PZ-04	54.30	657.75	608.38	598.38	603.45
BW-20	42.86	622.57	562.17	552.17	579.71
BW-23	49.85	562.74	512.19	502.19	512.89

- Denotes a well with a screened interval below the average water table elevation

TABLE 3.2

PROPOSED VAPOR PROBE NETWORK
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Vapor Probe Identifier	*Construction Type*	*Probe Depth (feet)*	*Screened Interval (feet)*	*Current Condition*	*Action*
VP-1	PVC	10	9-10	Good	Replace/Sample
VP-2	PVC	10	9-10	Good	Replace/Sample
VP-2a	PVC	17	16-17	Good	Close
VP-3R	Teflon	10	9.5-10	Good	Sample
VP-4R	Teflon	10	9.5-10	Unable to locate	Replace/Sample
VP-5	PVC	10	9-10	Unable to locate	None
VP-6R	Teflon	10	9.5-10	Unable to locate	Replace/Sample
VP-7	PVC	8	7-8	Good	Close
VP-8	PVC	10	9-10	Good	Replace/Sample
VP-9	PVC	10	9-10	Good	Close
VP-10	PVC	10	9-10	Good	Close
VP-11R	Teflon	5.5	4.5-5.5	Cover Damaged	Repair/Sample
VP-12	PVC	4	3-4	Destroyed	None
VP-13R	Teflon	9	8.5-9	Good	Sample
VP-14R	Teflon	7	6.5-7	Good	Sample
VP-16R	Teflon	18	17.7-18	Good	Close
VP-17R	Teflon	15	14.5-15	Good	Close
VP-18	Teflon	10	9.5-10	Good	Close
VP-19R	Teflon	20	19.5-20	Good	Close
VP-20	Teflon	10	9.5-10	Destroyed	None
VP-21	Teflon	10	9.5-10	Good	Sample
VP-22	Teflon	10	9.5-10	Good	Sample
VP-23	Teflon	10	9.5-10	Good	Sample
VP-24	Teflon	10	9.5-10	Destroyed	Replace/Sample
VP-25	Teflon	5	4.5-5	Good	Sample
VP-26	Teflon	10	9.5-10	Good	Sample
VP-27	Teflon	10	9.5-10	Destroyed	Sample
VP-28	Teflon	10	9.5-10	Good	Sample
VP-29R	Teflon	9.5	9-9.5	Good	Sample
VP-30	Teflon	10	9.5-10	Good	Sample
VP-31	Teflon	10	9.5-10	Good	Sample
VP-32	Teflon	10	9.5-10	Good	Sample
VP-33	Teflon	10	9.5-10	Good	Sample
VP-34	Teflon	10	9.5-10	Good	Sample
VP-35	Teflon	10	9.5-10	Good	Sample
VP-36R	Teflon	9.5	9-9.5	Destroyed	Replace/Sample
VP-37	Teflon	10	9.5-10	Good	Sample
VP-38	Teflon	9.5	9-9.5	Good	Sample
VP-39	Teflon	9.5	9-9.5	Good	Sample
VP-40	Teflon	9.5	9-9.5	Good	Sample
VP-41	Teflon	9.5	9-9.5	Good	Sample
VP-42	Teflon	9.5	9-9.5	Unable to locate	None
VP-43	Teflon	9.5	9-9.5	Good	None
VP-44	Teflon	3.8	3.3-3.8	Good	Close
VP-45	Teflon	6	5.5-6	Good	Close
VP-46	Teflon	5.5	5-5.5	Good	None
VP-47	Teflon	10.6	10.1-10.6	Good	Close
VP-48	Teflon	5	4.5-5	Good	Close
VP-49S	Teflon	20	19.5-20	Unable to locate	Replace/Sample
VP-49D	Teflon	49	48.5-49	Unable to locate	None
VP-50	Teflon	10	9.5-10	Proposed	Install/Sample
VP-51	Teflon	10	9.5-10	Proposed	Install/Sample
VP-52	Teflon	10	9.5-10	Proposed	Install/Sample
VP-53	Teflon	10	9.5-10	Proposed	Install/Sample
VP-54	Teflon	10	9.5-10	Proposed	Install/Sample

TABLE 5.1

SUMMARY OF ZONE II INFORMATION AND CONFIRMATORY SAMPLE LOCATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Street	*Address*	*VI Subzone*	*Mitigation System Type*	*Construction Type*			*Access Granted?*	*Action/Screening Exceedances?*	*Further Evaluation?*	*Rationale/ Comments*
				Basement	*Crawlspace*	*Slab*				
Baxter Street										
	400 Baxter	IIA	None	P,U	P	No		No	No	
	402 Baxter	IIA	Active	P,U	P	No		N/A	No	
	404 Baxter	IIA	Active	P,U	P	No		N/A	No	
	405 Baxter	IIB	Active	P,U	P	No		N/A	No	
	406 Baxter	IIA	Active	P,U	P	No		N/A	No	
	407 Baxter	IIB	None	No	Yes	No		No	No	
	408 Baxter	IIA	None		Not Available		No	N/A	No	
	410 Baxter	IIA	None	P,U	P	No		No	Yes	Previous TCE detections near 1 ug/m3
	413 Baxter	IIB	None	No	Yes	No		No	No	
	414 Baxter	IIA	Passive	U	No	No		TCE,SS	Yes	TCE detections in subslab, shallow groundwater
	415 Baxter	IIB	Passive	P,F	No	No		No	No	
	416 Baxter	IIA	None	No	Yes	No		No	No	
	417 Baxter	IIB	None	U	No	No		No	Yes	
	418 Baxter	IIA	Active	P,U	P	No		N/A	No	
	419 Baxter	IIB		Residence Demolished					No	
Derrick Street										
	903 Derrick	IIA	None		Trailer Residence			No	No	
	904 Derrick	IIA	None		Not Available		No		No	
	906 Derrick	IIA	Active	P,U	P	No		N/A	No	Removed system at request of resident
	908 Derrick	IIA	Active	No	Yes	No		N/A	No	
	911 Derrick	IIA	Active	No	No	Yes		N/A	No	
Hollovy Street										
	304 Hollovy	IIA	None	P,U	P	No		No	Yes	Previous TCE detections near 1 ug/m3
	400 Hollovy	IIA	Active	P,U	P	No		N/A	No	
	401 Hollovy	IIA	Passive	P,U	P	No		No	No	
	405 Hollovy	IIA	Active	P,U	P	No		N/A	No	
	406 Hollovy	IIA	Active	No	No	Yes		N/A	No	
	407 Hollovy	IIA	Active	No	Yes	No		N/A	No	
	408 Hollovy	IIA	Active	No	No	Yes		N/A	No	
	409 Hollovy	IIA	None	P,U	P	No		No	Yes	Partial basement, proximity to mitigated residences
	411 Hollovy	IIA	Active	No	No	Yes		N/A	No	
	413 Hollovy	IIA	Active	U	No	No		N/A	No	
	415 Hollovy	IIA	None	No	No	Yes		No	No	
	417 Hollovy	IIA	Active	P,U	P	No		N/A	No	

TABLE 5.1

SUMMARY OF ZONE II INFORMATION AND CONFIRMATORY SAMPLE LOCATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Street	Address	VI Subzone	Mitigation System Type	Construction Type: Basement	Construction Type: Crawlspace	Construction Type: Slab	Access Granted?	Action/Screening Exceedances?	Further Evaluation?	Rationale/ Comments
Park Avenue										
	700 Park Ave	IIC	None	PF	No	No		No	No	
	701 Park Ave	IIC	Passive	P,U	P	No		Yes, SS/IA	Yes	Passive system, TCE detections, Zone IIC
	705 Park Ave	IIC	None	P,U	P	No		Yes, SS/IA	Yes	TCE Detections, partial basement, Zone IIC
	706 Park Ave	IIC	Active	P,U	P	No		N/A	No	
	708 Park Ave	IIC	Active	P,U	P	No		N/A	No	
	800 Park Ave	IIC	Active	U	No	No		N/A	No	
	802 Park Ave	IIC	Passive	U	No	No		Yes, SS/IA	Yes	Potential IA source, Zone IIC
	804 Park Ave	IIA	Active	P,PF	P	No		N/A	No	
	806 Park Ave	IIA	Active	PF	No	No		N/A	No	
	808 Park Ave	IIA	Active	U	No	No		N/A	No	
	900 Park Ave	IIA	Active	PF	No	No		N/A	No	
	904 Park Ave	IIA	Active	U	No	No		N/A	No	
	908 Park Ave	IIA	None	P,U	P	No		No	No	
	910 Park Ave	IIA	None	P,U	P	No		No	No	
Summit Street										
	701 Summit	IIB	None	P.U	P	No		Yes, IA	Yes	Potential IA source
	703 Summit	IIB	Active	P.U	P	No		N/A	No	
	705 Summit	IIB	Active	P.U	P	No		N/A	No	
	706 Summit	IIB	None	P.U	P	No		No	No	
	708 Summit	IIB	None	P.U	P	No		No	No	
	709 Summit	IIB	Active	P.U	P	No		N/A	No	
	710 Summit	IIB	Passive	P.U	P	No		No	Yes	Proximity to VP-24, previous TCE detections near 1 ug/m3
	800 Summit	IIB	None	P.U	P	No			No	Previously vacant
	801 Summit	IIA	Active	P.U	P	No		N/A	No	
	802 Summit	IIA	Active	P.U	P	No		N/A	No	
	804 Summit	IIA	None	No	No	Yes		No	Yes	Proximity to VP-23 and mitigated residences
	805 Summit	IIA	Active	P,PF	No	No		N/A	No	
	806 Summit	IIA	Active	P.U	P	No		N/A	No	
	807 Summit	IIA	Active	P.U	P	No		N/A	No	
	809 Summit	IIA	Active	No	Yes	No		N/A	No	
	813 Summit	IIA	Active	P.U	P	No		N/A	No	
	901 Summit	IIA	Active	U	No	No		N/A	No	
	903 Summit	IIA	Active	No	Yes	No		N/A	No	
	905 Summit	IIA	Active	No	Yes	No		N/A	No	
	907 Summit	IIA	None		Not Available		No	N/A	No	
	911 Summit	IIA	Active	F	No	No		N/A	No	

TABLE 5.1

SUMMARY OF ZONE II INFORMATION AND CONFIRMATORY SAMPLE LOCATIONS RADIO MATERIALS CORPORATION ATTICA, INDIANA

Street	*Address*	*VI Subzone*	*Mitigation System Type*	*Construction Type*			*Access Granted?*	*Action/Screening Exceedances?*	*Further Evaluation?*	*Rationale/ Comments*
				Basement	*Crawlspace*	*Slab*				
Taylor Street										
	703 Taylor	IIB	None	PF	No	No				
	704 Taylor	IIB		Residence Demolished				N/A	No	
	705 Taylor	IIB	None	P,U	No	No	No	No	No	Resident denied access after 1 sampling round
	706 Taylor	IIB	Passive	P,U	P	No		No	No	
	707 Taylor	IIB	None	P,U	P	No		No	No	
	800 Taylor	IIB	None	P,U	P	No		No	No	
	801 Taylor	IIB		Residence Demolished				N/A	No	
	802 Taylor	IIB	None	U	No	No	No	N/A	No	
	803 Taylor	IIA	None	U	No	No		No	Yes	Previous TCE detections near 1 ug/m3
	804 Taylor	IIA	None		Not Available		No	N/A	No	
	806 Taylor	IIA	Passive	P,U	P	No		Yes, SS	Yes	Subslab TCE detections
	807 Taylor	IIA	Active	P,U	P	No		N/A	No	
	900 Taylor	IIA	Active	U	No	No		N/A	No	
	902 Taylor	IIA	None		Not Available		No	N/A	No	Previously vacant
	904 Taylor	IIA	None	P,U	P	No		No	No	

Abbreviations

P	Partial
U	Unfinished basement
PF	Partially finished basement
F	Finished basement
N/A	Not applicable
IA	Indoor air
SS	Subslab

APPENDICES

APPENDIX A

SHALLOW GROUNDWATER DATA SUMMARY

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:			*OB-01*	*OB-01*	*OB-01*	*OB-01*	*OB-01*	*OB-01*	*OB-01*
Sample ID:			*GW-042012-TP-066*	*GW-080112-MG-002*	*GW-102412-TP-052*	*GW-020513-SM-002*	*GW-042513-SM-039*	*GW-071513-SM-019*	*GW-071513-SM-020*
Sample Date:			*4/20/2012*	*8/1/2012*	*10/24/2012*	*2/5/2013*	*4/25/2013*	*7/15/2013*	*7/15/2013*
Parameters	*Units*	*IDEM Residential Closure Levels*							*(Duplicate)*
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	0.0069	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	0.2	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	0.0009	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	0.005	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	0.99	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	0.007	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	mg/L	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	mg/L	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	0.07	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	0.016	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.00005	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	0.6	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	0.005	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	0.005	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	0.016	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	0.075	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00019 J	0.00019 J
2,2-Dichloropropane	mg/L	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	8.4	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	-	R	R	ND (0.02)	R	R	R	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	2.2	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acetone	mg/L	6.9	R	R	R	R	R	R	R
Benzene	mg/L	0.005	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	0.011	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	mg/L	1.3	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	0.005	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	0.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	0.062	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	0.08	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	mg/L	0.07	ND (0.0005)	0.00009 J	ND (0.0005)	0.00007 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	mg/L	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	mg/L	0.7	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	0.011	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:			*OB-01*	*OB-01*	*OB-01*	*OB-01*	*OB-01*	*OB-01*	*OB-01*
Sample ID:			*GW-042012-TP-066*	*GW-080112-MG-002*	*GW-102412-TP-052*	*GW-020513-SM-002*	*GW-042513-SM-039*	*GW-071513-SM-019*	*GW-071513-SM-020*
Sample Date:			*4/20/2012*	*8/1/2012*	*10/24/2012*	*2/5/2013*	*4/25/2013*	*7/15/2013*	*7/15/2013*
Parameters	*Units*	*IDEM Residential Closure Levels*							*(Duplicate)*
Volatile Organic Compounds									
Isopropyl benzene	mg/L	0.83	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	0.005	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	mg/L	0.0083	ND (0.002)	0.00012 J	ND (0.002)	0.00015 J	ND (0.002) J	ND (0.002) J	0.0011 J
N-Butylbenzene	mg/L	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	0.31	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	mg/L	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	mg/L	0.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	0.005	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Toluene	mg/L	1	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0001 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	0.1	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	mg/L	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	0.005	0.0022	0.0024	ND (0.0021)	0.00078	0.00097	0.0022	0.0023
Trichlorofluoromethane (CFC-11)	mg/L	-	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	0.002	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Metals									
Arsenic	mg/L	0.01	0.00041 J	-	-	-	-	-	-
Beryllium	mg/L	0.004	-	-	-	-	-	-	-
Chromium	mg/L	0.1	-	-	-	-	-	-	-
Lead	mg/L	0.015	0.000209	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-02*	*OB-02*	*OB-02*	*OB-06*	*OB-06*	*OB-06*	*OB-06*	*OB-06*
Sample ID:		*GW-042012-TP-064*	*GW-102412-TP-054*	*GW-042513-SM-041*	*GW-042012-TP-068*	*GW-080112-MG-003*	*GW-102912-TP-068*	*GW-020513-SM-003*	*GW-050113-SM-070*
Sample Date:		*4/20/2012*	*10/24/2012*	*4/25/2013*	*4/20/2012*	*8/1/2012*	*10/29/2012*	*2/5/2013*	*5/1/2013*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.00075)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0028	0.0038	0.0028	0.0036	0.00062
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
2-Hexanone	mg/L	R	ND (0.02)	R	R	R	ND (0.04)	R	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	ND (0.02)	R	ND (0.02)	ND (0.05)	ND (0.1)	R	ND (0.05)	R
Acetone	mg/L	R	R	R	R	R	R	R	R
Benzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	0.00018 J
Bromobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	0.00013 J
Bromoform	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001) J	ND (0.0013)	ND (0.0005)
Carbon disulfide	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	0.0013	ND (0.0013)	0.00068
Chloromethane (Methyl chloride)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001) J	ND (0.0013) J	ND (0.0005)
cis-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	**0.82**	**1.1**	**1**	**1.1**	**0.23**
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005) J
Ethylbenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-02*	*OB-02*	*OB-02*	*OB-06*	*OB-06*	*OB-06*	*OB-06*	*OB-06*
Sample ID:		*GW-042012-TP-064*	*GW-102412-TP-054*	*GW-042513-SM-041*	*GW-042012-TP-068*	*GW-080112-MG-003*	*GW-102912-TP-068*	*GW-020513-SM-003*	*GW-050113-SM-070*
Sample Date:		*4/20/2012*	*10/24/2012*	*4/25/2013*	*4/20/2012*	*8/1/2012*	*10/29/2012*	*2/5/2013*	*5/1/2013*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	0.00044 J	ND (0.005)	ND (0.002)
Naphthalene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	0.00012 J
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)	ND (0.01)	ND (0.004)	ND (0.005)	ND (0.002)
Tetrachloroethene	mg/L	0.00022 J	ND (0.0005)	0.00012 J	**0.019**	**0.019**	**0.026**	**0.024**	**0.016**
Toluene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	0.0001 J
trans-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0064	0.0092	0.0073	0.0083	0.003
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
Trichloroethene	mg/L	0.0017	ND (0.0015)	0.00053	**0.33**	**0.38**	**0.49**	**0.54**	**0.21**
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)	ND (0.0025)	ND (0.001)	ND (0.0013)	ND (0.0005)
Vinyl chloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	**0.022**	**0.054**	**0.016**	**0.031**	**0.015**
Metals									
Arsenic	mg/L	-	-	-	0.00105	-	-	-	-
Beryllium	mg/L	-	-	-	0.000029	-	-	-	-
Chromium	mg/L	-	-	-	0.00121	-	-	-	-
Lead	mg/L	-	-	-	0.000559	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-06*	*OB-06*	*OB-08*	*OB-08*	*OB-08*	*OB-08*	*OB-08*	*OB-08*
Sample ID:		*GW-050113-SM-071*	*GW-071513-SM-025*	*GW-042012-TP-063*	*GW-080112-MG-007*	*GW-102612-TP-061*	*GW-020513-SM-006*	*GW-042513-SM-044*	*GW-071513-SM-022*
Sample Date:		*5/1/2013*	*7/15/2013*	*4/20/2012*	*8/1/2012*	*10/26/2012*	*2/5/2013*	*4/25/2013*	*7/15/2013*
		(Duplicate)							
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.00073)	0.0016 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
1,1-Dichloroethene	mg/L	0.00057	0.0057	0.0001 J	0.00026 J	ND (0.0005)	0.00037 J	0.00046 J	0.00008 J
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.004)	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004) J	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	0.0002 J
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	0.02 J	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)
2-Hexanone	mg/L	R	R	R	R	ND (0.02)	R	R	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	R	ND (0.2)	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.04)	ND (0.02)
Acetone	mg/L	R	0.036 J	R	R	ND (0.02)	R	R	R
Benzene	mg/L	0.00021 J	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)
Bromodichloromethane	mg/L	0.00012 J	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Bromoform	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001) J	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Carbon disulfide	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	0.0007	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0002 J	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.001)	ND (0.0005)
cis-1,2-Dichloroethene	mg/L	**0.24**	**2.1**	0.042	**0.097**	0.067	**0.15**	**0.52**	0.037
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005) J	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-06*	*OB-06*	*OB-08*	*OB-08*	*OB-08*	*OB-08*	*OB-08*	*OB-08*
Sample ID:		*GW-050113-SM-071*	*GW-071513-SM-025*	*GW-042012-TP-063*	*GW-080112-MG-007*	*GW-102612-TP-061*	*GW-020513-SM-006*	*GW-042513-SM-044*	*GW-071513-SM-022*
Sample Date:		*5/1/2013*	*7/15/2013*	*4/20/2012*	*8/1/2012*	*10/26/2012*	*2/5/2013*	*4/25/2013*	*7/15/2013*
		(Duplicate)							
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	0.0014 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00022 J	ND (0.002)
Naphthalene	mg/L	0.00013 J	ND (0.02) J	ND (0.002)	0.0001 J	ND (0.002) J	ND (0.002)	ND (0.004) J	0.0011 J
N-Butylbenzene	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.004)	ND (0.002)
Tetrachloroethene	mg/L	**0.016**	**0.024**	**0.03**	**0.028**	**0.026**	**0.031**	**0.049**	**0.027**
Toluene	mg/L	0.00008 J	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00011 J	ND (0.001)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	0.0034	0.013	0.0006	0.0013	0.0012	0.0027	0.015	0.00022 J
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Trichloroethene	mg/L	**0.22**	**0.87**	**0.18**	**0.18**	**0.17**	**0.4**	**0.19**	**0.1**
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)
Vinyl chloride	mg/L	**0.015**	**0.011**	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0002 J	ND (0.0005)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	0.000249	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-09*	*OB-09*	*OB-09*	*OB-09*	*OB-09*	*OB-09*	*OB-11*	*OB-11*
Sample ID:		*GW-041612-TP-028*	*GW-080612-MG-017*	*GW-102912-TP-071*	*GW-020613-SM-015*	*GW-050113-SM-072*	*GW-071213-SM-016*	*GW-041612-TP-038*	*GW-102412-TP-051*
Sample Date:		*4/16/2012*	*8/6/2012*	*10/29/2012*	*2/6/2013*	*5/1/2013*	*7/12/2013*	*4/16/2012*	*10/24/2012*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.0001 J	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00042 J	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	R	R	ND (0.02)	R	R	R	R	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	ND (0.02)	ND (0.02)	R	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)
Acetone	mg/L	R	R	R	R	R	R	R	ND (0.02)
Benzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00028 J	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Carbon disulfide	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005) J
cis-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	0.00008 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00014 J	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-09*	*OB-09*	*OB-09*	*OB-09*	*OB-09*	*OB-09*	*OB-11*	*OB-11*
Sample ID:		*GW-041612-TP-028*	*GW-080612-MG-017*	*GW-102912-TP-071*	*GW-020613-SM-015*	*GW-050113-SM-072*	*GW-071213-SM-016*	*GW-041612-TP-038*	*GW-102412-TP-051*
Sample Date:		*4/16/2012*	*8/6/2012*	*10/29/2012*	*2/6/2013*	*5/1/2013*	*7/12/2013*	*4/16/2012*	*10/24/2012*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00021 J	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.0011 J	ND (0.002)	ND (0.002) J
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00008 J	ND (0.0005)	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	0.0038	0.0034	0.0037	0.0035	0.0025	0.0024	ND (0.0005)	ND (0.0005)
Toluene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	0.00055	0.00047 J	0.0012	0.0014	0.0017	0.0015	ND (0.0005)	ND (0.0005)
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-11*	*OB-14*	*OB-14*	*OB-14*	*OB-14*	*OB-14*	*OB-14*	*OB-32*
Sample ID:		*GW-042513-SM-042*	*GW-041612-TP-032*	*GW-080212-MG-014*	*GW-102312-TP-045*	*GW-020513-SM-008*	*GW-042213-SM-021*	*GW-071113-SM-012*	*GW-041312-TP-041*
Sample Date:		*4/25/2013*	*4/16/2012*	*8/2/2012*	*10/23/2012*	*2/5/2013*	*4/22/2013*	*7/11/2013*	*4/13/2012*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	0.00007 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00026 J	ND (0.0005)
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	R	R	R	ND (0.02)	R	ND (0.02)	ND (0.02)	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acetone	mg/L	R	R	R	R	R	R	R	R
Benzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00016 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Carbon disulfide	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00032 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00009 J
Chloromethane (Methyl chloride)	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	0.00016 J	ND (0.0005)	ND (0.0005) J
cis-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00013 J	0.011
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Ethylbenzene	mg/L	0.00017 J	ND (0.0005)	ND (0.0005)	0.0001 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-11*	*OB-14*	*OB-14*	*OB-14*	*OB-14*	*OB-14*	*OB-14*	*OB-32*
Sample ID:		*GW-042513-SM-042*	*GW-041612-TP-032*	*GW-080212-MG-014*	*GW-102312-TP-045*	*GW-020513-SM-008*	*GW-042213-SM-021*	*GW-071113-SM-012*	*GW-041312-TP-041*
Sample Date:		*4/25/2013*	*4/16/2012*	*8/2/2012*	*10/23/2012*	*2/5/2013*	*4/22/2013*	*7/11/2013*	*4/13/2012*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	0.00015 J	ND (0.0005)	ND (0.0005)	0.00015 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.0001 J
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0015
Toluene	mg/L	0.00027 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00007 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	ND (0.0005)	0.0038	0.0043	0.0038	0.0036	0.0041	0.0023	**0.0064**
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-32*	*OB-32*	*OB-32*	*OB-32*	*OB-32*	*OB-32*	*OB-33*	*OB-33*
Sample ID:		*GW-080712-MG-025*	*GW-101812-TP-028*	*GW-101812-TP-029*	*GW-020713-SM-018*	*GW-042413-SM-036*	*GW-071013-SM-002*	*GW-041612-TP-034*	*GW-041612-TP-036*
Sample Date:		*8/7/2012*	*10/18/2012*	*10/18/2012*	*2/7/2013*	*4/24/2013*	*7/10/2013*	*4/16/2012*	*4/16/2012*
				(Duplicate)					*(Duplicate)*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	R	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	0.00021 J	0.00036 J	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	mg/L	ND (0.0005) J	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	R	R	R	R	R	R	R	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	ND (0.02)	R	R	R	ND (0.02)	R	ND (0.02)	ND (0.02)
Acetone	mg/L	R	R	R	R	R	R	R	R
Benzene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005) J
cis-1,2-Dichloroethene	mg/L	0.025	0.018 J	0.019 J	0.0085	0.0037	0.008	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	mg/L	ND (0.0005) J	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005)	0.00005 J	0.00005 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-32*	*OB-32*	*OB-32*	*OB-32*	*OB-32*	*OB-32*	*OB-33*	*OB-33*
Sample ID:		*GW-080712-MG-025*	*GW-101812-TP-028*	*GW-101812-TP-029*	*GW-020713-SM-018*	*GW-042413-SM-036*	*GW-071013-SM-002*	*GW-041612-TP-034*	*GW-041612-TP-036*
Sample Date:		*8/7/2012*	*10/18/2012*	*10/18/2012*	*2/7/2013*	*4/24/2013*	*7/10/2013*	*4/16/2012*	*4/16/2012*
				(Duplicate)					*(Duplicate)*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	0.00012 J	0.00013 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	mg/L	0.00009 J	0.00011 J	0.00011 J	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	mg/L	0.00008 J	0.00014 J	0.00015 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	ND (0.0005)	0.00013 J	0.00013 J	0.0012	**0.0071**	**0.0064**	0.00062	0.00074
Toluene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	0.00032 J	0.00026 J	0.00027 J	ND (0.0005)	ND (0.0005)	0.00008 J	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	0.0023	0.001 J	0.0011 J	0.0026	0.0028	0.0025	0.0021	0.0023
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	0.0001 J	0.00011 J	0.00012 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-33*	*OB-33*	*OB-34*	*OB-34*	*OB-34*	*OB-36*	*OB-36*	*OB-36*
Sample ID:		*GW-102312-TP-046*	*GW-042313-SM-024*	*GW-041612-TP-030*	*GW-102912-TP-074*	*GW-042913-SM-054*	*GW-041112-TP-017*	*GW-101612-TP-023*	*GW-042413-SM-038*
Sample Date:		*10/23/2012*	*4/23/2013*	*4/16/2012*	*10/29/2012*	*4/29/2013*	*4/11/2012*	*10/16/2012*	*4/24/2013*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002) J
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	0.0002 J
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
2-Hexanone	mg/L	ND (0.02)	R	R	ND (0.02)	ND (0.02)	R	ND (0.02) J	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	R	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	R	ND (0.02)
Acetone	mg/L	R	R	R	R	ND (0.02)	R	R	R
Benzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00073	0.00076 J	0.001
Bromoform	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005) J
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Carbon disulfide	mg/L	0.00011 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0017	0.0029 J	0.0033
Chloromethane (Methyl chloride)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
cis-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	0.0017	0.018	0.0012	0.00012 J	0.00063 J	0.00007 J
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-33*	*OB-33*	*OB-34*	*OB-34*	*OB-34*	*OB-36*	*OB-36*	*OB-36*
Sample ID:		*GW-102312-TP-046*	*GW-042313-SM-024*	*GW-041612-TP-030*	*GW-102912-TP-074*	*GW-042913-SM-054*	*GW-041112-TP-017*	*GW-101612-TP-023*	*GW-042413-SM-038*
Sample Date:		*10/23/2012*	*4/23/2013*	*4/16/2012*	*10/29/2012*	*4/29/2013*	*4/11/2012*	*10/16/2012*	*4/24/2013*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00025 J	0.00012 J
Naphthalene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002) J
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
Tetrachloroethene	mg/L	0.00055	0.00037 J	**0.03**	**0.029**	**0.019**	**0.058**	**0.06 J**	**0.031**
Toluene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	0.00019 J	0.00037 J	0.00013 J	ND (0.0005)	ND (0.0005) J	ND (0.0005)
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Trichloroethene	mg/L	0.0021	0.0018	**0.046**	**0.1**	**0.057**	**0.0064**	**0.0051 J**	0.0036
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Vinyl chloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-37*	*OB-37*	*OB-37*	*OB-37*	*OB-37*	*OB-37*	*OB-38*	*OB-38*
Sample ID:		*GW-041312-TP-043*	*GW-080712-MG-024*	*GW-101812-TP-030*	*GW-020713-SM-020*	*GW-042413-SM-033*	*GW-071013-SM-004*	*GW-041112-TP-019*	*GW-102512-TP-059*
Sample Date:		*4/13/2012*	*8/7/2012*	*10/18/2012*	*2/7/2013*	*4/24/2013*	*7/10/2013*	*4/11/2012*	*10/25/2012*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	R	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	R	R	R	R	R	R	R	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R	ND (0.02)	ND (0.02)
Acetone	mg/L	R	R	R	R	R	R	R	ND (0.02)
Benzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	0.0001 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
cis-1,2-Dichloroethene	mg/L	0.00088	0.00041 J	0.00039 J	0.00055	0.00011 J	0.00025 J	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-37*	*OB-37*	*OB-37*	*OB-37*	*OB-37*	*OB-37*	*OB-38*	*OB-38*
Sample ID:		*GW-041312-TP-043*	*GW-080712-MG-024*	*GW-101812-TP-030*	*GW-020713-SM-020*	*GW-042413-SM-033*	*GW-071013-SM-004*	*GW-041112-TP-019*	*GW-102512-TP-059*
Sample Date:		*4/13/2012*	*8/7/2012*	*10/18/2012*	*2/7/2013*	*4/24/2013*	*7/10/2013*	*4/11/2012*	*10/25/2012*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	mg/L	ND (0.002)	ND (0.002)	0.00013 J	ND (0.002)	ND (0.002) J	ND (0.002)	0.00009 J	0.00012 J
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	0.00024 J	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00022 J	ND (0.0005)
Toluene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	0.00015 J	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	0.00076	ND (0.0005)	ND (0.0005) J	ND (0.0005)	0.00011 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	0.00046 J	0.00031 J	0.00036 J	0.00034 J	ND (0.0005)	0.00034 J	**0.014**	**0.012**
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-38*	*OB-40*	*OB-40*	*OB-40*	*OB-41*	*OB-41*	*OB-41*	*OB-43D*
Sample ID:		*GW-043013-SM-068*	*GW-041112-TP-021*	*GW-101612-TP-019*	*GW-042613-SM-050*	*GW-041112-TP-023*	*GW-101612-TP-020*	*GW-042313-SM-032*	*GW-041312-TP-024*
Sample Date:		*4/30/2013*	*4/11/2012*	*10/16/2012*	*4/26/2013*	*4/11/2012*	*10/16/2012*	*4/23/2013*	*4/13/2012*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	R	R	ND (0.02) J	R	R	ND (0.02) J	R	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	R	ND (0.02)	R	R	ND (0.02)	R	ND (0.02)	ND (0.02)
Acetone	mg/L	R	R	R	R	R	R	R	R
Benzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Carbon disulfide	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005) J
cis-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	0.00087
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-38*	*OB-40*	*OB-40*	*OB-40*	*OB-41*	*OB-41*	*OB-41*	*OB-43D*
Sample ID:		*GW-043013-SM-068*	*GW-041112-TP-021*	*GW-101612-TP-019*	*GW-042613-SM-050*	*GW-041112-TP-023*	*GW-101612-TP-020*	*GW-042313-SM-032*	*GW-041312-TP-024*
Sample Date:		*4/30/2013*	*4/11/2012*	*10/16/2012*	*4/26/2013*	*4/11/2012*	*10/16/2012*	*4/23/2013*	*4/13/2012*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
Naphthalene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002) J	ND (0.002) J	ND (0.002) J	0.00014 J
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	0.00015 J	0.00015 J	0.00013 J	ND (0.0005)
Toluene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	0.00017 J	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	**0.008**
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	**0.0057**	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-43D*	*OB-43D*	*OB-43S*	*OB-43S*	*OB-43S*	*OB-44*	*OB-44*	*OB-44*
Sample ID:		*GW-101512-TP-012*	*GW-041913-SM-016*	*GW-062612-TP-002*	*GW-101512-TP-013*	*GW-041913-SM-015*	*GW-041212-TP-031*	*GW-101512-TP-016*	*GW-042213-SM-018*
Sample Date:		*10/15/2012*	*4/19/2013*	*6/26/2012*	*10/15/2012*	*4/19/2013*	*4/12/2012*	*10/15/2012*	*4/22/2013*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	ND (0.02)	R	ND (0.02)	ND (0.02)	R	R	ND (0.02)	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	R	R	R	R	R	ND (0.02)	R	ND (0.02)
Acetone	mg/L	R	R	0.0057 J	R	R	R	R	R
Benzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005)	0.00013 J	0.00014 J	0.00015 J	0.0001 J	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00034 J	0.00029 J	0.00012 J	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00024 J
cis-1,2-Dichloroethene	mg/L	0.00086	ND (0.0005)	0.00007 J	ND (0.0005)	ND (0.0005)	0.003	0.002	0.0044
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-43D*	*OB-43D*	*OB-43S*	*OB-43S*	*OB-43S*	*OB-44*	*OB-44*	*OB-44*
Sample ID:		*GW-101512-TP-012*	*GW-041913-SM-016*	*GW-062612-TP-002*	*GW-101512-TP-013*	*GW-041913-SM-015*	*GW-041212-TP-031*	*GW-101512-TP-016*	*GW-042213-SM-018*
Sample Date:		*10/15/2012*	*4/19/2013*	*6/26/2012*	*10/15/2012*	*4/19/2013*	*4/12/2012*	*10/15/2012*	*4/22/2013*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	mg/L	ND (0.002)	0.0001 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	ND (0.0005)	ND (0.0005)	**0.01**	**0.011**	**0.0086**	**0.036**	**0.034**	**0.025**
Toluene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00008 J	ND (0.0005)	0.00017 J
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	**0.0082**	**0.0079**	0.0041	0.0042	0.0041	**0.052**	**0.049**	**0.045**
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-45S*	*OB-45S*	*OB-45S*	*OB-54*	*OB-54*	*OB-54*	*OB-55*	*OB-55*
Sample ID:		*GW-041212-TP-020*	*GW-101512-TP-014*	*GW-041913-SM-014*	*GW-062612-TP-003*	*GW-101512-TP-015*	*GW-041813-SM-008*	*GW-062712-TP-010*	*GW-080612-MG-019*
Sample Date:		*4/12/2012*	*10/15/2012*	*4/19/2013*	*6/26/2012*	*10/15/2012*	*4/18/2013*	*6/27/2012*	*8/6/2012*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	R	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)	R	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	ND (0.02)	R	R	R	R	ND (0.02)	R	ND (0.02)
Acetone	mg/L	R	R	R	R	R	R	R	R
Benzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	0.00019 J	0.00026 J	0.00008 J	ND (0.0005)	0.00013 J	0.0001 J	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0027	0.003	0.0014	0.00066 J	0.00073
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-45S*	*OB-45S*	*OB-45S*	*OB-54*	*OB-54*	*OB-54*	*OB-55*	*OB-55*
Sample ID:		*GW-041212-TP-020*	*GW-101512-TP-014*	*GW-041913-SM-014*	*GW-062612-TP-003*	*GW-101512-TP-015*	*GW-041813-SM-008*	*GW-062712-TP-010*	*GW-080612-MG-019*
Sample Date:		*4/12/2012*	*10/15/2012*	*4/19/2013*	*6/26/2012*	*10/15/2012*	*4/18/2013*	*6/27/2012*	*8/6/2012*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	0.0003 J	0.00032 J	0.00026 J	ND (0.002) J	ND (0.002)
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	**0.036 J**	**0.033**
Toluene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	0.0043	0.0047	**0.0056**	**0.048**	**0.05**	**0.036**	**0.0051 J**	**0.0065**
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-55*	*OB-55*	*OB-55*	*OB-55*	*OB-55*	*OB-57*	*OB-57*	*OB-57*
Sample ID:		*GW-102612-TP-062*	*GW-102612-TP-063*	*GW-020613-SM-014*	*GW-042913-SM-057*	*GW-071213-SM-015*	*GW-062712-TP-009*	*GW-080212-MG-010*	*GW-102412-TP-055*
Sample Date:		*10/26/2012*	*10/26/2012*	*2/6/2013*	*4/29/2013*	*7/12/2013*	*6/27/2012*	*8/2/2012*	*10/24/2012*
			(Duplicate)						
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
1,1-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00016 J	0.00038 J	0.00058 J
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
1,2,3-Trichlorobenzene	mg/L	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.005) J
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.005)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.005)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00028 J	ND (0.0005)	ND (0.0005)	ND (0.0013)
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0013)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)
2-Hexanone	mg/L	ND (0.02)	ND (0.02)	R	ND (0.02)	R	R	R	ND (0.05)
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.05)
Acetone	mg/L	ND (0.02)	ND (0.02)	R	R	R	R	R	ND (0.05)
Benzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Bromobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Bromoform	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0013)
Carbon disulfide	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Chloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Chloroform (Trichloromethane)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00008 J	ND (0.0013)
Chloromethane (Methyl chloride)	mg/L	ND (0.0005) J	ND (0.0005) J	ND (0.0005) J	0.00008 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013) J
cis-1,2-Dichloroethene	mg/L	0.0008	0.00071	0.00074	0.00034 J	0.00032 J	**0.088**	**0.25**	**0.93**
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0013)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Ethylbenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00005 J	ND (0.0013)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-55*	*OB-55*	*OB-55*	*OB-55*	*OB-55*	*OB-57*	*OB-57*	*OB-57*
Sample ID:		*GW-102612-TP-062*	*GW-102612-TP-063*	*GW-020613-SM-014*	*GW-042913-SM-057*	*GW-071213-SM-015*	*GW-062712-TP-009*	*GW-080212-MG-010*	*GW-102412-TP-055*
Sample Date:		*10/26/2012*	*10/26/2012*	*2/6/2013*	*4/29/2013*	*7/12/2013*	*6/27/2012*	*8/2/2012*	*10/24/2012*
			(Duplicate)						
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00017 J	ND (0.0013)
Methylene chloride	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00078 J
Naphthalene	mg/L	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002) J	0.00012 J	ND (0.005) J
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00009 J	ND (0.005)
o-Xylene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Styrene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.005)
Tetrachloroethene	mg/L	**0.024**	**0.025**	**0.023**	**0.022**	**0.022**	**0.075**	**0.06**	**0.079**
Toluene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
trans-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0016	0.0037	0.019
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Trichloroethene	mg/L	**0.01**	**0.01**	**0.014**	0.0042	0.0031	**0.29**	**0.28**	**0.3**
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Vinyl chloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0013)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-57*	*OB-57*	*OB-57*	*OB-57*	*OB-58*	*OB-58*	*OB-58*	*OB-58*
Sample ID:		*GW-020713-SM-026*	*GW-042513-SM-045*	*GW-071113-SM-009*	*GW-071113-SM-010*	*GW-062712-TP-011*	*GW-080612-MG-018*	*GW-102612-TP-064*	*GW-020613-SM-013*
Sample Date:		*2/7/2013*	*4/25/2013*	*7/11/2013*	*7/11/2013*	*6/27/2012*	*8/6/2012*	*10/26/2012*	*2/6/2013*
					(Duplicate)				
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	0.00055	ND (0.0005)	0.0006	0.00051	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002) J	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00017 J	ND (0.002)	0.00011 J	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	R	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	0.00018 J	0.00025 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	R	R	ND (0.02)	ND (0.02)	R	R	ND (0.02)	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	R	R	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)
Acetone	mg/L	R	R	R	R	R	R	ND (0.02)	R
Benzene	mg/L	ND (0.0005)	ND (0.0005)	0.00013 J	0.00021 J	0.00018 J	ND (0.0005)	0.00017 J	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon disulfide	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00056 J	0.00021 J	0.0008	0.00015 J
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005) J
cis-1,2-Dichloroethene	mg/L	**0.48**	0.032	**0.26**	**0.24**	0.0039 J	0.0031	0.0053	0.0027
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00021 J	ND (0.0005)	0.00021 J	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-57*	*OB-57*	*OB-57*	*OB-57*	*OB-58*	*OB-58*	*OB-58*	*OB-58*
Sample ID:		*GW-020713-SM-026*	*GW-042513-SM-045*	*GW-071113-SM-009*	*GW-071113-SM-010*	*GW-062712-TP-011*	*GW-080612-MG-018*	*GW-102612-TP-064*	*GW-020613-SM-013*
Sample Date:		*2/7/2013*	*4/25/2013*	*7/11/2013*	*7/11/2013*	*6/27/2012*	*8/6/2012*	*10/26/2012*	*2/6/2013*
					(Duplicate)				
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00028 J	ND (0.0005)	0.00021 J	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00014 J	ND (0.002)
Naphthalene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	0.00019 J	0.00015 J	0.00028 J
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00012 J	ND (0.0005)	0.00008 J	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00009 J	ND (0.0005)	0.00019 J	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	**0.067**	**0.022**	**0.061**	**0.059**	0.0021 J	0.0027	0.002	**0.0073**
Toluene	mg/L	0.00071	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00055 J	ND (0.0005)	ND (0.00053)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	0.0086	0.0019	0.0041	0.0046	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	**0.24**	**0.16**	**0.2**	**0.2**	0.0026 J	0.0027	0.00091	0.0019
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-58*	*OB-58*	*OB-59*	*OB-59*	*OB-59*	*OB-59*	*OB-59*	*OB-59*
Sample ID:		*GW-042913-SM-056*	*GW-071213-SM-014*	*GW-062712-TP-012*	*GW-080612-MG-015*	*GW-102612-TP-065*	*GW-020713-SM-025*	*GW-050113-SM-073*	*GW-071213-SM-018*
Sample Date:		*4/29/2013*	*7/12/2013*	*6/27/2012*	*8/6/2012*	*10/26/2012*	*2/7/2013*	*5/1/2013*	*7/12/2013*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	R	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	0.00062	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00024 J
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	ND (0.02)	R	R	R	ND (0.02)	R	R	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	R	R	ND (0.02)
Acetone	mg/L	R	R	R	R	ND (0.02)	R	R	R
Benzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Carbon disulfide	mg/L	ND (0.0005)	ND (0.0005)	0.00018 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	0.00011 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	mg/L	0.0016	0.0029	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00033 J	ND (0.0005)
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-58*	*OB-58*	*OB-59*	*OB-59*	*OB-59*	*OB-59*	*OB-59*	*OB-59*
Sample ID:		*GW-042913-SM-056*	*GW-071213-SM-014*	*GW-062712-TP-012*	*GW-080612-MG-015*	*GW-102612-TP-065*	*GW-020713-SM-025*	*GW-050113-SM-073*	*GW-071213-SM-018*
Sample Date:		*4/29/2013*	*7/12/2013*	*6/27/2012*	*8/6/2012*	*10/26/2012*	*2/7/2013*	*5/1/2013*	*7/12/2013*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	mg/L	ND (0.002)	0.0012 J	ND (0.002) J	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	**0.0083**	0.0028	**0.015**	**0.016**	**0.02**	**0.015**	**0.014**	**0.011**
Toluene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	0.0014	0.00089	0.0024	0.0023	0.0045	0.0031	0.0043	0.0039
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-60*	*OB-60*	*OB-60*	*OB-60*	*OB-60*	*OB-60*	*OB-61*	*OB-61*
Sample ID:		*GW-062712-TP-013*	*GW-080612-MG-016*	*GW-102612-TP-066*	*GW-020613-SM-016*	*GW-050113-SM-074*	*GW-071213-SM-017*	*GW-041912-TP-059*	*GW-080712-MG-020*
Sample Date:		*6/27/2012*	*8/6/2012*	*10/26/2012*	*2/6/2013*	*5/1/2013*	*7/12/2013*	*4/19/2012*	*8/7/2012*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002) J	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00031 J	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	R	R	ND (0.02)	R	R	ND (0.02)	R	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	R	ND (0.02) J	ND (0.02)	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)
Acetone	mg/L	R	R	ND (0.02)	R	R	R	R	R
Benzene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)
Carbon disulfide	mg/L	0.00016 J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0013	0.0012
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-60*	*OB-60*	*OB-60*	*OB-60*	*OB-60*	*OB-60*	*OB-61*	*OB-61*
Sample ID:		*GW-062712-TP-013*	*GW-080612-MG-016*	*GW-102612-TP-066*	*GW-020613-SM-016*	*GW-050113-SM-074*	*GW-071213-SM-017*	*GW-041912-TP-059*	*GW-080712-MG-020*
Sample Date:		*6/27/2012*	*8/6/2012*	*10/26/2012*	*2/6/2013*	*5/1/2013*	*7/12/2013*	*4/19/2012*	*8/7/2012*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	mg/L	ND (0.002) J	ND (0.002) J	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	**0.015**	**0.016**	**0.017**	**0.013**	**0.015**	**0.013**	0.00051	0.00028 J
Toluene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	0.0024	0.004	0.0043	0.0034	0.0038	0.0034	0.00042 J	0.00013 J
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	**0.0032**	**0.0032**
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-61*	*OB-61*	*OB-61*	*OB-61*	*OB-61*	*OB-62*	*OB-62*	*OB-62*
Sample ID:		*GW-101912-TP-034*	*GW-020713-SM-023*	*GW-020713-SM-024*	*GW-042413-SM-037*	*GW-071013-SM-001*	*GW-041912-TP-062*	*GW-080712-MG-021*	*GW-080712-MG-022*
Sample Date:		*10/19/2012*	*2/7/2013*	*2/7/2013*	*4/24/2013*	*7/10/2013*	*4/19/2012*	*8/7/2012*	*8/7/2012*
									(Duplicate)
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002) J	R	R	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	R	R	R	R	R	R	R	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	R	R	R	ND (0.02)	R	ND (0.02)	ND (0.02)	ND (0.02)
Acetone	mg/L	R	R	R	R	R	R	R	R
Benzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Carbon disulfide	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	mg/L	0.0011 J	0.0013	0.0012	0.00049 J	0.00042 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-61*	*OB-61*	*OB-61*	*OB-61*	*OB-61*	*OB-62*	*OB-62*	*OB-62*
Sample ID:		*GW-101912-TP-034*	*GW-020713-SM-023*	*GW-020713-SM-024*	*GW-042413-SM-037*	*GW-071013-SM-001*	*GW-041912-TP-062*	*GW-080712-MG-021*	*GW-080712-MG-022*
Sample Date:		*10/19/2012*	*2/7/2013*	*2/7/2013*	*4/24/2013*	*7/10/2013*	*4/19/2012*	*8/7/2012*	*8/7/2012*
									(Duplicate)
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	ND (0.0005) J	ND (0.0005)	0.00016 J	**0.0074**	**0.0071**	ND (0.0005)	ND (0.0005)	ND (0.0005)
Toluene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	ND (0.0005) J	ND (0.0005)	0.00013 J	0.0046	0.0043	0.00016 J	ND (0.0005)	ND (0.0005)
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	**0.0024 J**	**0.0029**	**0.0029**	0.0014	0.0012	ND (0.0005)	ND (0.0005)	ND (0.0005)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-62*	*OB-62*	*OB-62*	*OB-62*	*PZ-04*	*PZ-04*	*PZ-04*	*PZ-04*
Sample ID:		*GW-101912-TP-035*	*GW-020713-SM-022*	*GW-042413-SM-034*	*GW-071013-SM-003*	*GW-041812-TP-054*	*GW-080212-MG-009*	*GW-102912-TP-070*	*GW-020713-SM-027*
Sample Date:		*10/19/2012*	*2/7/2013*	*4/24/2013*	*7/10/2013*	*4/18/2012*	*8/2/2012*	*10/29/2012*	*2/7/2013*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00031 J	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0003 J	0.00075	0.00025 J	0.00042 J
1,1-Dichloropropene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002) J	R	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	R
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00008 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	R	R	R	R	R	R	ND (0.02)	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	R	R	ND (0.02)	R	ND (0.02)	ND (0.02)	R	R
Acetone	mg/L	R	R	R	R	R	R	R	R
Benzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00032 J
Bromoform	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Carbon disulfide	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00008 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00023 J	0.00018 J	0.011	0.0096
Chloromethane (Methyl chloride)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
cis-1,2-Dichloroethene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	**0.37**	**0.34**	**0.23**	**0.12**
cis-1,3-Dichloropropene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*OB-62*	*OB-62*	*OB-62*	*OB-62*	*PZ-04*	*PZ-04*	*PZ-04*	*PZ-04*
Sample ID:		*GW-101912-TP-035*	*GW-020713-SM-022*	*GW-042413-SM-034*	*GW-071013-SM-003*	*GW-041812-TP-054*	*GW-080212-MG-009*	*GW-102912-TP-070*	*GW-020713-SM-027*
Sample Date:		*10/19/2012*	*2/7/2013*	*4/24/2013*	*7/10/2013*	*4/18/2012*	*8/2/2012*	*10/29/2012*	*2/7/2013*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.00013 J	ND (0.002)
Naphthalene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	**0.047**	**0.053**	**0.055**	**0.044**
Toluene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.015	0.0066	0.017	0.0018
trans-1,3-Dichloropropene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	**0.12**	**0.22**	**0.27**	**0.19**
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00038 J	0.0003 J	0.00051	0.00046 J
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*PZ-04*	*PZ-04*	*PZ-07*	*PZ-07*	*PZ-07*	*PZ-07*	*PZ-07*	*PZ-07*
Sample ID:		*GW-043013-SM-066*	*GW-071513-SM-026*	*GW-062712-TP-007*	*GW-080212-MG-012*	*GW-102912-TP-072*	*GW-020613-SM-010*	*GW-042913-SM-052*	*GW-071113-SM-008*
Sample Date:		*4/30/2013*	*7/15/2013*	*6/27/2012*	*8/2/2012*	*10/29/2012*	*2/6/2013*	*4/29/2013*	*7/11/2013*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0016)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	0.00044 J	0.001 J	0.00035 J	0.00068 J	ND (0.0005)	0.00029 J	0.00046 J	0.00021 J
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.005)	ND (0.002) J	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.005)	ND (0.002) J	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002)	ND (0.005)	ND (0.002) J	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	0.00018 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00031 J
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	R	R	R	R	ND (0.02)	R	ND (0.02)	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	R	ND (0.05)	R	ND (0.04) J	R	ND (0.02)	ND (0.02)	ND (0.02)
Acetone	mg/L	R	R	R	R	R	R	R	R
Benzene	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0013) J	ND (0.0005)	ND (0.001) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Carbon disulfide	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	0.0001 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	0.0022	0.0011 J	ND (0.0005)	0.00028 J	0.00011 J	ND (0.0005)	0.0012	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	mg/L	**0.3**	**0.73**	**0.26**	**0.88 J**	**0.17**	**0.13**	**0.33**	**0.083**
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005) J	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Ethylbenzene	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*PZ-04*	*PZ-04*	*PZ-07*	*PZ-07*	*PZ-07*	*PZ-07*	*PZ-07*	*PZ-07*
Sample ID:		*GW-043013-SM-066*	*GW-071513-SM-026*	*GW-062712-TP-007*	*GW-080212-MG-012*	*GW-102912-TP-072*	*GW-020613-SM-010*	*GW-042913-SM-052*	*GW-071113-SM-008*
Sample Date:		*4/30/2013*	*7/15/2013*	*6/27/2012*	*8/2/2012*	*10/29/2012*	*2/6/2013*	*4/29/2013*	*7/11/2013*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	0.00048 J	ND (0.002)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	mg/L	ND (0.002)	ND (0.005) J	ND (0.002) J	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Butylbenzene	mg/L	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.005)	ND (0.002)	ND (0.004) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	**0.033**	**0.031**	**0.089**	**0.088 J**	**0.093**	**0.058**	**0.075**	**0.073**
Toluene	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	0.003	0.011	0.0025	0.014 J	0.026	0.0011	0.0064	0.0011
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	**0.12**	**0.17**	**0.27**	**0.29 J**	**0.38**	**0.24**	**0.24**	**0.28**
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)
Vinyl chloride	mg/L	0.00022 J	ND (0.0013)	ND (0.0005)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*PZ-07BR*	*PZ-07BR*	*PZ-07BR*	*PZ-07BR*	*PZ-07BR*	*PZ-07BR*	*PZ-16*	*PZ-16*
Sample ID:		*GW-062712-TP-008*	*GW-080212-MG-011*	*GW-102912-TP-073*	*GW-020613-SM-009*	*GW-042913-SM-053*	*GW-071113-SM-007*	*GW-041912-TP-058*	*GW-101912-TP-033*
Sample Date:		*6/27/2012*	*8/2/2012*	*10/29/2012*	*2/6/2013*	*4/29/2013*	*7/11/2013*	*4/19/2012*	*10/19/2012*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,1,1-Trichloroethane	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,1,2-Trichloroethane	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,1-Dichloroethane	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,1-Dichloroethene	mg/L	0.0036 J	0.0035	0.0019	0.0027	0.0018	0.00078	ND (0.0005)	ND (0.0005) J
1,1-Dichloropropene	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,2,3-Trichlorobenzene	mg/L	ND (0.005) J	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
1,2,3-Trichloropropane	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,2,4-Trichlorobenzene	mg/L	ND (0.005) J	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
1,2,4-Trimethylbenzene	mg/L	ND (0.005)	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.005) J	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.005)	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
1,2-Dichlorobenzene	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,2-Dichloroethane	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,2-Dichloropropane	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,3,5-Trimethylbenzene	mg/L	ND (0.005)	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
1,3-Dichlorobenzene	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,3-Dichloropropane	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,4-Dichlorobenzene	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	0.00033 J	ND (0.0005)	ND (0.0005) J
2,2-Dichloropropane	mg/L	ND (0.0013)	ND (0.0013) J	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.005)	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
2-Hexanone	mg/L	R	R	ND (0.04)	R	ND (0.02)	R	R	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.005)	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
4-Chlorotoluene	mg/L	ND (0.005)	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	R	ND (0.05)	R	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	R
Acetone	mg/L	R	R	R	R	R	R	R	R
Benzene	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	0.00024 J	ND (0.0005)	ND (0.0005) J
Bromobenzene	mg/L	ND (0.005)	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
Bromodichloromethane	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Bromoform	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Bromomethane (Methyl bromide)	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005) J
Carbon disulfide	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	0.00011 J	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Carbon tetrachloride	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Chlorobenzene	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Chlorobromomethane	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Chloroethane	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Chloroform (Trichloromethane)	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Chloromethane (Methyl chloride)	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
cis-1,2-Dichloroethene	mg/L	**0.81 J**	**0.7**	**0.44**	**0.49**	**0.38**	**0.47**	0.0045	0.0027 J
cis-1,3-Dichloropropene	mg/L	ND (0.0013)	ND (0.0013) J	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Cymene (p-Isopropyltoluene)	mg/L	ND (0.005)	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
Dibromochloromethane	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Dibromomethane	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Ethylbenzene	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Hexachlorobutadiene	mg/L	ND (0.005)	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*PZ-07BR*	*PZ-07BR*	*PZ-07BR*	*PZ-07BR*	*PZ-07BR*	*PZ-07BR*	*PZ-16*	*PZ-16*
Sample ID:		*GW-062712-TP-008*	*GW-080212-MG-011*	*GW-102912-TP-073*	*GW-020613-SM-009*	*GW-042913-SM-053*	*GW-071113-SM-007*	*GW-041912-TP-058*	*GW-101912-TP-033*
Sample Date:		*6/27/2012*	*8/2/2012*	*10/29/2012*	*2/6/2013*	*4/29/2013*	*7/11/2013*	*4/19/2012*	*10/19/2012*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.005)	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
m&p-Xylenes	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Methylene chloride	mg/L	ND (0.005)	ND (0.005)	0.00022 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
Naphthalene	mg/L	ND (0.005) J	ND (0.005)	ND (0.004)	0.00012 J	ND (0.002)	0.0011 J	ND (0.002)	ND (0.002) J
N-Butylbenzene	mg/L	ND (0.005)	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
N-Propylbenzene	mg/L	ND (0.005)	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
o-Xylene	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Styrene	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
tert-Butylbenzene	mg/L	ND (0.005)	ND (0.005)	ND (0.004)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
Tetrachloroethene	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.0028	0.001 J
Toluene	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
trans-1,2-Dichloroethene	mg/L	0.026 J	0.025	0.014	0.021	0.014	0.017	ND (0.0005)	ND (0.0005) J
trans-1,3-Dichloropropene	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Trichloroethene	mg/L	**0.11 J**	**0.12**	**0.083**	**0.079**	**0.071**	**0.071**	0.00094	0.0021 J
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Vinyl chloride	mg/L	**0.072 J**	**0.073**	**0.042**	**0.064**	**0.043**	**0.05**	0.00065	0.00027 J
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*PZ-16*	*PZ-17*	*PZ-17*	*PZ-18*	*PZ-18*	*PZ-18*	*PZ-18*	*BW-20*
Sample ID:		*GW-020713-SM-017*	*GW-041912-TP-060*	*GW-020713-SM-019*	*GW-041912-TP-061*	*GW-080712-MG-023*	*GW-101912-TP-036*	*GW-020713-SM-021*	*GW-041212-TP-033*
Sample Date:		*2/7/2013*	*4/19/2012*	*2/7/2013*	*4/19/2012*	*8/7/2012*	*10/19/2012*	*2/7/2013*	*4/12/2012*
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	R	ND (0.002)	R	ND (0.002)	ND (0.002)	ND (0.002) J	R	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	R	R	R	R	R	R	R	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	R	ND (0.02)	R	ND (0.02)	ND (0.02)	R	R	ND (0.02)
Acetone	mg/L	R	R	R	R	R	R	R	R
Benzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Carbon disulfide	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	0.00009 J	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	mg/L	0.0018	0.0013	0.00017 J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*PZ-16*	*PZ-17*	*PZ-17*	*PZ-18*	*PZ-18*	*PZ-18*	*PZ-18*	*BW-20*
Sample ID:		*GW-020713-SM-017*	*GW-041912-TP-060*	*GW-020713-SM-019*	*GW-041912-TP-061*	*GW-080712-MG-023*	*GW-101912-TP-036*	*GW-020713-SM-021*	*GW-041212-TP-033*
Sample Date:		*2/7/2013*	*4/19/2012*	*2/7/2013*	*4/19/2012*	*8/7/2012*	*10/19/2012*	*2/7/2013*	*4/12/2012*
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
Naphthalene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	0.00013 J
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	0.0041	**0.012**	**0.0071**	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	0.00016 J
Toluene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	ND (0.0005)	0.00009 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	0.0039	**0.012**	**0.0072**	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	0.00014 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-
									-
									-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*BW-20*	*BW-20*	*BW-23*	*BW-23*	*BW-23*	*BW-25*	*BW-25*	*BW-25*
Sample ID:		*GW-101612-TP-022*	*GW-042613-SM-051*	*GW-041612-TP-049*	*GW-101612-TP-017*	*GW-050113-SM-075*	*GW-062612-TP-004*	*GW-062612-TP-005*	*GW-101712-TP-026*
Sample Date:		*10/16/2012*	*4/26/2013*	*4/16/2012*	*10/16/2012*	*5/1/2013*	*6/26/2012*	*6/26/2012*	*10/17/2012*
								(Duplicate)	
Parameters	*Units*								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,1,1-Trichloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,1,2-Trichloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,1-Dichloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,1-Dichloroethene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,1-Dichloropropene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,2,3-Trichlorobenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002) J
1,2,3-Trichloropropane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,2,4-Trichlorobenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002) J
1,2,4-Trimethylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002) J
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
1,2-Dichlorobenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,2-Dichloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,2-Dichloropropane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,3,5-Trimethylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
1,3-Dichlorobenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,3-Dichloropropane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
1,4-Dichlorobenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
2,2-Dichloropropane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R	R	R	R	R	R	R
2-Chlorotoluene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
2-Hexanone	mg/L	ND (0.02) J	R	R	ND (0.02) J	R	ND (0.02)	R	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
4-Chlorotoluene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	R	R	ND (0.02)	R	R	R	R	R
Acetone	mg/L	R	R	R	R	R	R	R	R
Benzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	0.00008 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Bromobenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
Bromodichloromethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Bromoform	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Bromomethane (Methyl bromide)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Carbon disulfide	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	0.004 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Carbon tetrachloride	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Chlorobenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Chlorobromomethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Chloroethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Chloroform (Trichloromethane)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Chloromethane (Methyl chloride)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
cis-1,2-Dichloroethene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
cis-1,3-Dichloropropene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
Dibromochloromethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Dibromomethane	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005) J	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Ethylbenzene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Hexachlorobutadiene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*BW-20*	*BW-20*	*BW-23*	*BW-23*	*BW-23*	*BW-25*	*BW-25*	*BW-25*
Sample ID:		*GW-101612-TP-022*	*GW-042613-SM-051*	*GW-041612-TP-049*	*GW-101612-TP-017*	*GW-050113-SM-075*	*GW-062612-TP-004*	*GW-062612-TP-005*	*GW-101712-TP-026*
Sample Date:		*10/16/2012*	*4/26/2013*	*4/16/2012*	*10/16/2012*	*5/1/2013*	*6/26/2012*	*6/26/2012*	*10/17/2012*
								(Duplicate)	
Parameters	*Units*								
Volatile Organic Compounds									
Isopropyl benzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
m&p-Xylenes	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Methylene chloride	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
Naphthalene	mg/L	ND (0.002) J	0.00018 J	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	0.00014 J
N-Butylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
N-Propylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
o-Xylene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Styrene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
tert-Butylbenzene	mg/L	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002) J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002) J
Tetrachloroethene	mg/L	ND (0.0005) J	ND (0.0005)	0.0002 J	0.00022 J	0.00017 J	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Toluene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	0.00009 J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
trans-1,2-Dichloroethene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
trans-1,3-Dichloropropene	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Trichloroethene	mg/L	ND (0.0005) J	ND (0.0005)	0.0004 J	0.0005 J	0.00022 J	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Vinyl chloride	mg/L	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005) J	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005) J
Metals									
Arsenic	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*BW-25*	*BW-25*
Sample ID:		*GW-041913-SM-017*	*GW-071013-SM-005*
Sample Date:		*4/19/2013*	*7/10/2013*
Parameters	*Units*		
Volatile Organic Compounds			
1,1,1,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)
1,1,1-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0005)	ND (0.0005)
1,1,2-Trichloroethane	mg/L	ND (0.0005)	ND (0.0005)
1,1-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)
1,1-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)
1,1-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)
1,2,3-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)
1,2,3-Trichloropropane	mg/L	ND (0.0005)	ND (0.0005)
1,2,4-Trichlorobenzene	mg/L	ND (0.002)	ND (0.002)
1,2,4-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002)	ND (0.002)
1,2-Dibromoethane (Ethylene dibromide)	mg/L	ND (0.002)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	mg/L	ND (0.0005)	ND (0.0005)
1,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)
1,3,5-Trimethylbenzene	mg/L	ND (0.002)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0005)	ND (0.0005)
1,3-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)
1,4-Dichlorobenzene	mg/L	ND (0.0005)	0.00029 J
2,2-Dichloropropane	mg/L	ND (0.0005)	ND (0.0005)
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	R	R
2-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)
2-Hexanone	mg/L	R	R
2-Phenylbutane (sec-Butylbenzene)	mg/L	ND (0.002)	ND (0.002)
4-Chlorotoluene	mg/L	ND (0.002)	ND (0.002)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	R	R
Acetone	mg/L	R	R
Benzene	mg/L	ND (0.0005)	ND (0.0005)
Bromobenzene	mg/L	ND (0.002)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0005)	ND (0.0005)
Bromoform	mg/L	ND (0.0005)	ND (0.0005)
Bromomethane (Methyl bromide)	mg/L	ND (0.0005)	ND (0.0005)
Carbon disulfide	mg/L	ND (0.0005)	ND (0.0005)
Carbon tetrachloride	mg/L	ND (0.0005)	ND (0.0005)
Chlorobenzene	mg/L	ND (0.0005)	ND (0.0005)
Chlorobromomethane	mg/L	ND (0.0005)	ND (0.0005)
Chloroethane	mg/L	ND (0.0005)	ND (0.0005)
Chloroform (Trichloromethane)	mg/L	ND (0.0005)	ND (0.0005)
Chloromethane (Methyl chloride)	mg/L	ND (0.0005)	ND (0.0005)
cis-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)
cis-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)
Cymene (p-Isopropyltoluene)	mg/L	ND (0.002)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0005)	ND (0.0005)
Dibromomethane	mg/L	ND (0.0005)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0005)	ND (0.0005)
Ethylbenzene	mg/L	ND (0.0005)	ND (0.0005)
Hexachlorobutadiene	mg/L	ND (0.002)	ND (0.002)

SUMMARY OF 2012 AND 2013 SHALLOW GROUNDWATER ANALYTICAL DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*BW-25*	*BW-25*
Sample ID:		*GW-041913-SM-017*	*GW-071013-SM-005*
Sample Date:		*4/19/2013*	*7/10/2013*
Parameters	***Units***		
Volatile Organic Compounds			
Isopropyl benzene	mg/L	ND (0.002)	ND (0.002)
m&p-Xylenes	mg/L	ND (0.0005)	ND (0.0005)
Methylene chloride	mg/L	ND (0.002)	ND (0.002)
Naphthalene	mg/L	ND (0.002)	ND (0.002)
N-Butylbenzene	mg/L	ND (0.002)	ND (0.002)
N-Propylbenzene	mg/L	ND (0.002)	ND (0.002)
o-Xylene	mg/L	ND (0.0005)	ND (0.0005)
Styrene	mg/L	ND (0.0005)	ND (0.0005)
tert-Butylbenzene	mg/L	ND (0.002)	ND (0.002)
Tetrachloroethene	mg/L	ND (0.0005)	ND (0.0005)
Toluene	mg/L	ND (0.0005)	ND (0.0005)
trans-1,2-Dichloroethene	mg/L	ND (0.0005)	ND (0.0005)
trans-1,3-Dichloropropene	mg/L	ND (0.0005)	ND (0.0005)
Trichloroethene	mg/L	ND (0.0005)	ND (0.0005)
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0005)	ND (0.0005)
Vinyl chloride	mg/L	ND (0.0005)	ND (0.0005)
Metals			
Arsenic	mg/L	-	-
Beryllium	mg/L	-	-
Chromium	mg/L	-	-
Lead	mg/L	-	-
		-	-
		-	-

APPENDIX B

SOIL VAPOR DATA SUMMARY

APPENDIX B

SOIL GAS ANALYTICAL RESULTS SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*VP-1*	*VP-1*	*VP-2*	*VP-2*	*VP-2a*	*VP-2a*	*VP-3*	*VP-3*
Sample ID:		*GS-052305-MG-009*	*GS-061505-MG-020*	*GS-052305-MG-007*	*GS-061505-MG-018*	*GS-052305-MG-008*	*GS-061505-MG-019*	*GS-052305-MG-004*	*GS-061505-MG-015*
Sample date:		*5/23/2005*	*6/15/2005*	*5/23/2005*	*6/15/2005*	*5/23/2005*	*6/15/2005*	*5/23/2005*	*6/15/2005*
Parameters	*Units*								
Volatile Organic Compounds									
Tetrachloroethene	ug/m3	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)	41	43	66
Trichloroethene	ug/m3	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	180	160	210

APPENDIX B

SOIL GAS ANALYTICAL RESULTS SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*VP-3*	*VP-3*	*VP-3R*	*VP-4*	*VP-4*	*VP-4*	*VP-4*	*VP-4a*
Sample ID:		*SG-070207-MG-006*	*SG-080107-MG-003*	*SG-100307-MG-009*	*GS-052305-MG-002*	*GS-061505-MG-013*	*SG-070207-MG-004*	*SG-080107-MG-002*	*GS-052305-MG-003*
Sample date:		*7/2/2007*	*8/1/2007*	*10/3/2007*	*5/23/2005*	*6/15/2005*	*7/2/2007*	*8/1/2007*	*5/23/2005*
Parameters	*Units*								
Volatile Organic Compounds									
Tetrachloroethene	ug/m3	27	22	160	29	36	42	ND (14)	ND (14)
Trichloroethene	ug/m3	33	51	200	130	150	23	16	27

APPENDIX B

SOIL GAS ANALYTICAL RESULTS SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*VP-4a*	*VP-4a*	*VP-4a*	*VP-4R*	*VP-5*	*VP-5*	*VP-5*	*VP-5*
Sample ID:		*GS-061505-MG-014*	*SG-070207-MG-005*	*SG-080107-MG-001*	*SG-100307-MG-008*	*GS-052305-MG-001*	*GS-052305-MG-005*	*GS-061505-MG-012*	*GS-061505-MG-016*
Sample date:		*6/15/2005*	*7/2/2007*	*8/1/2007*	*10/3/2007*	*5/23/2005*	*5/23/2005*	*6/15/2005*	*6/15/2005*
							(Duplicate)		*(Duplicate)*
Parameters	*Units*								
Volatile Organic Compounds									
Tetrachloroethene	ug/m3	ND (14)	16	ND (14)	72	8100	14000	ND (3700)	ND (6500)
Trichloroethene	ug/m3	91	11	ND (11)	51	330000	440000	160000	180000

APPENDIX B

SOIL GAS ANALYTICAL RESULTS SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*VP-5*	*VP-5*	*VP-6*	*VP-6*	*VP-6*	*VP-6R*	*VP-7*	*VP-7*
Sample ID:		*GS-071305-MG-023*	*GS-071305-MG-026*	*GS-052305-MG-010*	*GS-061505-MG-021*	*SG-061807-MG-001*	*SG-100307-MG-007*	*GS-052305-MG-011*	*GS-061505-MG-022*
Sample date:		*7/13/2005*	*7/13/2005*	*5/23/2005*	*6/15/2005*	*6/18/2007*	*10/3/2007*	*5/23/2005*	*6/15/2005*
			(Duplicate)						
Parameters	*Units*								
Volatile Organic Compounds									
Tetrachloroethene	ug/m3	ND (1800)	3700	720	630	49	2200	3400	3000
Trichloroethene	ug/m3	120000	210000	120	120	28	270	3000	3200

APPENDIX B

SOIL GAS ANALYTICAL RESULTS SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*VP-7*	*VP-8*	*VP-9*	*VP-10*	*VP-11*	*VP-11*	*VP-11*	*VP-11*
Sample ID:		*SG-061807-MG-002*	*GS-071305-MG-024*	*GS-071305-MG-025*	*GS-071305-MG-027*	*GS-081505-MG-029*	*GS-081505-MG-034*	*SG-070207-MG-007*	*SG-080107-MG-004*
Sample date:		*6/18/2007*	*7/13/2005*	*7/13/2005*	*7/13/2005*	*8/15/2005*	*8/15/2005*	*7/2/2007*	*8/1/2007*
							(Duplicate)		
Parameters	*Units*								
Volatile Organic Compounds									
Tetrachloroethene	ug/m3	130	3300	4800	140	670	270	140	270
Trichloroethene	ug/m3	500	60000	120000	2400	ND (11)	ND (11)	ND (11)	ND (11)

APPENDIX B

SOIL GAS ANALYTICAL RESULTS SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*VP-11R*	*VP-12*	*VP-13*	*VP-13*	*VP-13*	*VP-13R*	*VP-14*	*VP-14*
Sample ID:		*SG-100407-MG-012*	*GS-081505-MG-030*	*GS-081505-MG-031*	*SG-070207-MG-008*	*SG-080107-MG-005*	*SG-100407-MG-014*	*GS-081505-MG-032*	*SG-061807-MG-003*
Sample date:		*10/4/2007*	*8/15/2005*	*8/15/2005*	*7/2/2007*	*8/1/2007*	*10/4/2007*	*8/15/2005*	*6/18/2007*
Parameters	*Units*								
Volatile Organic Compounds									
Tetrachloroethene	ug/m3	1700	1200	360	ND (33)	24	270	320	100
Trichloroethene	ug/m3	23	120	32	ND (26)	15	130	15	ND (11)

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SOIL GAS ANALYTICAL RESULTS SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*VP-14R*	*VP-15*	*VP-15*	*VP-15*	*VP-16R*	*VP-16R*	*VP-16R*	*VP-17R*
Sample ID:		*SG-100407-MG-016*	*SG-121305-MG-001*	*SG-012506-MG-001*	*GS-082510-MG-001*	*SG-100307-MG-006*	*GS-012110-NH-018*	*GS-080410-NH-008*	*SG-100307-MG-005*
Sample date:		*10/4/2007*	*12/13/2005*	*1/25/2006*	*8/25/2010*	*10/3/2007*	*1/21/2010*	*8/4/2010*	*10/3/2007*
Parameters	*Units*								
Volatile Organic Compounds									
Tetrachloroethene	ug/m3	65	ND (14)	ND (14)	16	ND (14)	ND (14)	ND (14) J	52
Trichloroethene	ug/m3	12	ND (11)	ND (11)	ND (11)	410	26	30 J	1500

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SOIL GAS ANALYTICAL RESULTS SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*VP-17R*	*VP-17R*	*VP-19R*	*VP-19R*	*VP-21*	*VP-21*	*VP-21*	*VP-22*
Sample ID:		*GS-012110-NH-017*	*GS-080410-NH-004*	*GS-012110-NH-016*	*GS-080410-NH-002*	*SG-070307-MG-010*	*SG-070307-MG-011*	*SG-100307-MG-001*	*SG-070307-MG-009*
Sample date:		*1/21/2010*	*8/4/2010*	*1/21/2010*	*8/4/2010*	*7/3/2007*	*7/3/2007*	*10/3/2007*	*7/3/2007*
							(Duplicate)		
Parameters	*Units*								
Volatile Organic Compounds									
Tetrachloroethene	ug/m3	39	56	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)
Trichloroethene	ug/m3	1500	2100	ND (11)	ND (11)	16	ND (11)	ND (11)	ND (11)

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SOIL GAS ANALYTICAL RESULTS SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*VP-22*	*VP-23*	*VP-23*	*VP-24*	*VP-24*	*VP-25*	*VP-25*	*VP-26*
Sample ID:		*SG-100307-MG-002*	*SG-070307-MG-012*	*SG-100407-MG-011*	*SG-070307-MG-017*	*SG-100307-MG-003*	*SG-070307-MG-013*	*SG-100407-MG-013*	*SG-070307-MG-016*
Sample date:		*10/3/2007*	*7/3/2007*	*10/4/2007*	*7/3/2007*	*10/3/2007*	*7/3/2007*	*10/4/2007*	*7/3/2007*
Parameters	*Units*								
Volatile Organic Compounds									
Tetrachloroethene	ug/m3	ND (14)	2400	10000	880	1600	990	1600	430
Trichloroethene	ug/m3	ND (11)	360	1300	150	320	57	110	57

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SOIL GAS ANALYTICAL RESULTS SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*VP-26*	*VP-27*	*VP-27*	*VP-28*	*VP-28*	*VP-29*	*VP-29R*	*VP-30*
Sample ID:		*SG-100407-MG-022*	*SG-070307-MG-015*	*SG-100307-MG-004*	*SG-070307-MG-014*	*SG-100407-MG-015*	*SG-100407-MG-021*	*GS-012010-NH-004*	*SG-100407-MG-020*
Sample date:		*10/4/2007*	*7/3/2007*	*10/3/2007*	*7/3/2007*	*10/4/2007*	*10/4/2007*	*1/20/2010*	*10/4/2007*
Parameters	*Units*								
Volatile Organic Compounds									
Tetrachloroethene	ug/m3	1100	260	350	120	210	220	ND (14)	ND (14)
Trichloroethene	ug/m3	180	ND (11)	66	32	81	19	ND (11)	ND (11)

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SOIL GAS ANALYTICAL RESULTS SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*VP-30*	*VP-31*	*VP-31*	*VP-32*	*VP-32*	*VP-33*	*VP-34*	*VP-35*
Sample ID:		*GS-012010-NH-005*	*SG-100407-MG-019*	*GS-012010-NH-006*	*SG-100407-MG-018*	*GS-012010-NH-007*	*SG-100407-MG-017*	*SG-100307-MG-010*	*SG-100507-MG-023*
Sample date:		*1/20/2010*	*10/4/2007*	*1/20/2010*	*10/4/2007*	*1/20/2010*	*10/4/2007*	*10/3/2007*	*10/5/2007*
Parameters	*Units*								
Volatile Organic Compounds									
Tetrachloroethene	ug/m3	ND (14)	150	48	15	ND (14)	250	2400	ND (14)
Trichloroethene	ug/m3	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	390	ND (11)

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SOIL GAS ANALYTICAL RESULTS SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*VP-35*	*VP-36*	*VP-36*	*VP-36R*	*VP-37*	*VP-37*	*VP-38*	*VP-39*
Sample ID:		*GS-012010-NH-011*	*SG-100507-MG-024*	*SG-100507-MG-025*	*GS-012010-NH-008*	*SG-100507-MG-026*	*GS-012010-NH-001*	*GS-012010-NH-002*	*GS-012010-NH-003*
Sample date:		*1/20/2010*	*10/5/2007*	*10/5/2007*	*1/20/2010*	*10/5/2007*	*1/20/2010*	*1/20/2010*	*1/20/2010*
				(Duplicate)					
Parameters	*Units*								
Volatile Organic Compounds									
Tetrachloroethene	ug/m3	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)	16
Trichloroethene	ug/m3	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	16

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SOIL GAS ANALYTICAL RESULTS SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*VP-40*	*VP-40*	*VP-41*	*VP-42*	*VP-43*	*VP-44*	*VP-45*	*VP-46*	*VP-47*
Sample ID:		*GS-012010-NH-009*	*GS-012010-NH-010*	*GS-012010-NH-012*	*GS-012110-NH-015*	*GS-012110-NH-013*	*GS-080410-NH-007*	*GS-080410-NH-001*	*GS-080410-NH-006*	*GS-080410-NH-009*
Sample date:		*1/20/2010*	*1/20/2010*	*1/20/2010*	*1/21/2010*	*1/21/2010*	*8/4/2010*	*8/4/2010*	*8/4/2010*	*8/4/2010*
			(Duplicate)							
Parameters	*Units*									
Volatile Organic Compounds										
Tetrachloroethene	ug/m3	ND (14)	16	ND (14)	32	1100	ND (14)	ND (14)	47 J	ND (14)
Trichloroethene	ug/m3	ND (11)	ND (10)	ND (11)	1300	ND (18)	17	ND (11)	80 J	29

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SOIL GAS ANALYTICAL RESULTS SUMMARY
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:		*VP-47*	*VP-48*	*VP-49S*	*VP-49S*
Sample ID:		*GS-080410-NH-010*	*GS-080410-NH-003*	*GS-040611-MG-001*	*GS-040611-MG-002*
Sample date:		*8/4/2010*	*8/4/2010*	*4/6/2011*	*4/6/2011*
		(Duplicate)			*(Duplicate)*
Parameters	*Units*				
Volatile Organic Compounds					
Tetrachloroethene	ug/m3	ND (14)	ND (14)	ND (14)	ND (14)
Trichloroethene	ug/m3	18	ND (11)	ND (11)	ND (11)

Notes:
ND - Not detected at the associated reporting limit
J - Estimated concentration
NDJ - Not detected, associated reporting limit is estimated