

Revitalizing Auto Communities Environmental
Response (RACER) Trust

VERTICAL AQUIFER PROFILING INVESTIGATION REPORT

Former GM Delco Plant 5, Kokomo, IN
USEPA ID IND000806844

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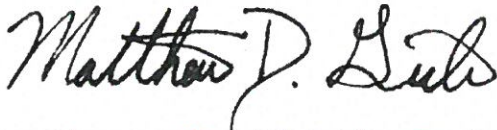
Former GM Delco Plant 5, Kokomo, IN



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ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
CMP	Corrective Measures Proposal
CSIA	combined specific isotope analysis
CSM	conceptual site model
DCA	dichloroethane
DCE	dichloroethene
DCM	methylene chloride
DNAPL	dense non-aqueous phase liquid
EC	electrical conductivity
EVS	Earth Volumetric Studio
HPT	hydraulic profiling tool
IDEM	Indiana Department of Environmental Management
ISCO	in-situ chemical oxidation
ITRC	Interstate Technology and Regulatory Council
µg/L	micrograms per liter
µmol/L	micromole per liter
MCL	Maximum Contaminant Level
MTBE	methyl-tert-butyl-ether
psi	pounds per square inch
PVC	polyvinyl chloride
RACER	Revitalizing Auto Communities Environmental Response
RCG	Remediation Closure Guide
TCE	trichloroethene
USEPA	U.S. Environmental Protection Agency
VAP	vertical aquifer profiling
VC	vinyl chloride
VOC	volatile organic compound

1 BACKGROUND

Arcadis U.S. Inc. (Arcadis) has prepared this Vertical Aquifer Profiling (VAP) Investigation Report on behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust. This report summarizes the results of the VAP investigation at the Former GM Delco Plant 5 in Kokomo, Indiana (the Site) located at 1723 North Washington Street within the City of Kokomo in Howard County, Indiana (Figure 1). The VAP investigation was completed in November 2016 along the eastern and southern property boundaries (Figure 2) and consisted of:

- 16 Geoprobe® Hydraulic Profiling Tool (HPT) borings to characterize aquifer hydraulic properties
- 19 groundwater samples at three to eight depth intervals within a shallow sand and gravel aquifer unit (the S1 Unit)
- Installation of 12 temporary monitoring wells to characterize the occurrence of groundwater in the upper confining unit.

The VAP investigation focused on the eastern and southern property boundaries to evaluate the hydrostratigraphy and distribution of volatile organic compounds (VOCs) in groundwater as it moves downgradient and off site. The primary purpose of the VAP investigation was to generate data that would aid in better understanding the relative mass flux at the eastern and southern property boundaries. The relative mass flux distinguishes the mass that moves in transport zones from the mass that is stored within the slow advection and storage zones within an aquifer. Data from this investigation will be used to assess the potential for increased risk associated with these impacts and complete a remedial evaluation as a component of a planned revised Corrective Measures Proposal (CMP).

Chlorinated ethenes, including: trichloroethene (TCE), 1,1-dichloroethene (1,1-DCE); cis-1,2-DCE; trans-1,2-DCE; and vinyl chloride (VC) have been historically detected in site soil and groundwater, with groundwater containing these constituents extending off site to the east. Figure 3 shows the extent of TCE concentrations in groundwater based on the combined results of the September 2016 groundwater sampling event and the November 2016 VAP investigation. Based on previous investigations, elevated concentrations of chlorinated ethenes have been found in the upper glacial outwash (S1 Unit), which is a sand and gravel unit confined by a glacial till above (Upper Confining Unit) and below (Middle Confining Unit). This investigation provided an improved understanding of the mass flux of these VOCs within the S1 unit.

2 INVESTIGATION METHODOLOGY

The investigation was completed between October 31 and November 16, 2016, along a transect that generally follows the eastern site boundary and then traverses southwest (Figure 2). The investigation consisted of the following activities:

- Direct push HPT borings were completed at 13 primary locations spaced approximately 50 feet apart to define hydrostratigraphy and thickness of the S1 unit,

- Direct push VAP borings were then advanced at the 13 primary locations and groundwater sampling was completed at five to eight depth intervals depending on the thickness of the S1 Unit identified at the adjacent HPT boring,
- Discrete groundwater samples were analyzed for VOCs on an expedited basis to allow an adaptive approach where decisions regarding the final number of sampling locations were made in the field.
- Secondary HPT/VAP borings were advanced between selected primary locations to provide further definition within zones where preliminary results indicated potential for relatively high mass flux.
- Additionally, 12 temporary groundwater monitoring wells were installed in the Upper Confining Unit, and groundwater samples were collected from each temporary monitoring well location where groundwater was present.

Details of the investigation methodology are described in the following subsections.

2.1 Pre-Investigation Activities

Arcadis contacted Indiana 811 to mark public utilities in the investigation area. Each borehole location was then pre-cleared with ground-penetrating radar and electromagnetic locators to identify any private utilities and avoid the potential for an underground utility strike. No utilities were found to obstruct any of the boring locations. As an additional precaution, the first 5 feet of each boring was hand-augured prior to advancement of the Geoprobe® tooling.

2.2 HPT Investigation

Continuous real-time profiling of relative permeability was completed using the Geoprobe® HPT. The HPT uses standard direct-push drilling equipment to advance the HPT probe into the soil. The probe injects a small continuous jet of water into the soil while simultaneously measuring the fluid back pressure due to injection and the flow rate at a high frequency. Because the HPT pressure and flow response are functions of aquifer permeability, the HPT data are used to locate and define zones of elevated hydraulic conductivity, which may serve as potential groundwater migration pathways. HPT results are presented in the report from Stock Drilling, Inc., included in Appendix A.

2.2.1 HPT Field Procedures

Before the HPT work was initiated, pre-test calibration was performed to ensure that the HPT pressure and electrical conductivity (EC) responses were consistent between borings. The response test was completed before and after the first log, and after each subsequent log to verify the system was responding appropriately.

In addition to the response tests, at least one HPT dissipation test was completed at each boring. A dissipation test consists of pausing the HPT boring, turning off the flow, and allowing the pressure to return to a static condition. These data were used to verify the elevation of the water table, correct for hydrostatic pressure, and estimate hydraulic conductivity values. The tests were conducted within the S1 Unit to ensure achievement of a static condition within a reasonable timeframe.

One calibration soil boring with continuous soil descriptions was advanced adjacent to HPT boring SB-1601 to verify correlation between soil type and HPT data; the boring log for SB-1601 is included as Appendix B. Additionally, HPT boring SB-1604 was advanced adjacent to existing monitoring well MW-0102-S1, and HPT boring SB-1607 was advanced adjacent to existing monitoring well MW-0505-S1, providing further calibration between logged soil borings and HPT response. Due to the permeability contrasts between the S1 Unit and the confining units above and below, the HPT provides a clear indication of the contacts between these units.

At each HPT boring location, the HPT was advanced, and continuous logging of EC, pressure, and flow was completed until either the Middle Confining Unit was encountered (as indicated by a pressure response exceeding the 100 pounds per square inch [psi] limit of the HPT pressure transducer) or refusal was encountered. Refusal was encountered in the Upper Confining Unit at SB-1611, SB-1613, and SB-1614. Groundwater sampling was not conducted at location SB-1614. Due to time constraints, HPT logging was not attempted at SB-1620, and groundwater sample intervals were selected based on the HPT responses at adjacent locations. Each HPT boring was backfilled using bentonite chips, with the exception of SB-1618, where the HPT boring extended through the Middle Confining Unit and into the S2 Unit. The HPT borehole at SB-1618 was backfilled to ground surface using tremie grout consisting of a Portland cement-bentonite mixture to seal the S2 Unit off from the S1 Unit.

2.2.2 HPT Data Management and Evaluation

The HPT probe was linked to a control box that allowed the signal to be received by a field computer. The HPT parameters (including transducer pressure, flow rate, EC, line pressure, probe rate, and diagnostic indicators) were recorded and available for export and evaluation following borehole completion to allow for immediate analysis.

The Geoprobe® Direct Image® (DI) Viewer software was used to view the data and to complete corrections for hydrostatic and atmospheric pressure effects. The data were corrected by the software, and continuous logs of estimated hydraulic conductivity were provided as a paper copy and emailed to the project team. The HPT results were then evaluated to select groundwater sampling intervals.

2.3 VAP Groundwater Sampling

Groundwater sampling depth intervals were selected based on HPT results (Appendix A) with the entire saturated thickness of the S1 Unit targeted for sampling. Groundwater sampling was completed at boreholes advanced immediately adjacent to the original HPT locations. A direct-push drilling rig was used to advance a Geoprobe® Screen Point 22 (SP-22) sampler at each location. A 4-foot interval was originally proposed; however, the longer and thinner-walled Geoprobe® Screen Point 16 was bent while penetrating the Upper Confining Unit, so the thicker-walled 3-foot SP-22 was used instead. The sampler was driven to the base of the S1 Unit, and the drive rod tool string was retracted up 3 feet, exposing a stainless-steel screen to the formation and allowing water to enter the screened section and the rods. Three volumes of water were purged from the tooling and SP-22 with disposable tubing connected to a check valve and a peristaltic pump. Once purging was complete, the peristaltic pump was disconnected, and groundwater samples were collected in laboratory-provided bottle using the tubing and check valve. Following sample collection at each depth interval, the sampler was retracted to the next designated

sampling depth, and the procedure for groundwater sampling was repeated. New tubing was used for each sample interval.

At locations SB-1611 and SB-1613, where the direct-push HPT boring encountered refusal in the Upper Confining Unit, the VAP borings were pre-cleared prior to advancing the direct push SP-22 tooling for groundwater sampling. The process involved advancing 2-inch solid-stem augers to 1 foot above the S1 Unit. The augers were then removed, and the SP-22 sampler was lowered down the open borehole. The direct-push rig was then used to drive the SP-22 the rest of the way to the base of the S1 Unit so that groundwater sampling could be completed.

At each location, after sampling was complete at the shallowest interval, the SP-22 tooling was removed from the borehole, and the VAP boring was backfilled using bentonite chips. The tooling was decontaminated between each groundwater sampling location.

2.4 Temporary Well Sampling

Following groundwater sampling in the S1 Unit, 12 temporary wells were installed with the purpose of determining if groundwater is present in the Upper Confining Unit. Temporary wells were installed adjacent to boring locations SB-1601 through SB-1610, SB-1612, and SB-1615. Temporary wells were constructed using 0.75-inch Schedule 40 polyvinyl chloride (PVC) with 5 feet of No. 10 slot screen, with a plug at the bottom of the screen. Screen intervals at these temporary wells were within the Upper Confining Unit above the S1 Unit. Temporary wells SB-1608, SB-1609, and SB-1610 were initially dry but produced water after sitting overnight. Temporary wells SB-1602 and SB-1607 were still dry after approximately 24 hours, and therefore could not be sampled. The temporary wells with groundwater present were sampled after purging three well volumes or after purging dry and allowing the well to recharge. Groundwater samples were collected in laboratory-provided bottles. After sampling was complete, the PVC well construction materials were removed, and the borehole was backfilled using bentonite chips.

2.5 Sample Delivery and Investigation Derived Waste Management

Groundwater samples were delivered by courier or Arcadis field staff to Pace Analytical Laboratory in Indianapolis, Indiana (Pace) for analysis of VOCs using U.S. Environmental Protection Agency (USEPA) Method 8260. Purge water and soil cuttings were containerized in drums and stored on site for characterization and off-site disposal.

3 INVESTIGATION RESULTS

HPT profiling results are presented in Appendix A. Lithologic intervals were interpreted based on HPT results, and a north-south-southwest stratigraphic cross-section (Figure 4) was prepared (A-A'; Figure 2). Lithologic interpretations based on HPT results were calibrated using side-by-side comparisons of HPT borings and logged soil borings.

Groundwater sampling results are summarized in Table 1, and exceedances of applicable groundwater criteria are noted. Concentrations were screened against the USEPA Drinking Water Maximum Contaminant Levels (MCLs) screening criteria and the Indiana Department of Environmental

Management Remediation Closure Guide (IDEM RCG) screening levels for constituents without MCLs. Groundwater analytical results are discussed in detail in Subsection 3.1, laboratory reports are included as Appendix C.

HPT and groundwater analytical results were combined to generate additional cross-sections (A-A' line), showing estimated hydraulic conductivity and the concentrations and relative mass flux of TCE, cis-1,2-DCE, and VC (Figures 5a through 5d). Relative mass flux estimates are discussed in detail in Subsection 3.2.

3.1 Groundwater Analytical Results

Groundwater analytical results were examined to determine which VOCs were detected, and which exceeded applicable groundwater screening criteria. Consistent with historical results, chlorinated ethenes were the dominant constituents detected during the VAP investigation. Concentrations of acetone, benzene, 1,1-dichloroethane (1,1-DCA), 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, ethylbenzene, methylene chloride (DCM), methyl-tert-butyl ether (MTBE), toluene, TCE, and VC were each detected in at least one groundwater sample. VOCs present at concentrations above USEPA MCLs include: cis-1,2-DCE, trans-1,2-DCE, DCM, TCE, and VC. Results are presented in Table 1 and posted on cross-sections (Figures 5a through 5c) for TCE, cis-1,2-DCE, and VC. The results indicate three to four distinct areas of impact with varying degrees of degradation are present along the eastern and southern property boundaries. These areas may be linked to separate source areas and combine to form the overall Site plume.

Relative concentrations of chlorinated ethenes provide insight into plume heterogeneity along the transect, and because cis-1,2-DCE and VC (and to a lesser extent trans-1,2-DCE and 1,1-DCE) are the daughter products of the biological reductive dechlorination of TCE, the relative concentrations of these compounds also provide insight into the extent of biodegradation in site groundwater. Chlorinated ethene profiles were prepared for each VAP sampling location (Figures 6a through 6c) and for historical sampling results at key on-site and off-site monitoring wells (Figure 7). An analysis of this data is discussed in detail in Appendix D, and generally indicate the following:

- The VAP transect along the eastern property boundary can be divided into three distinct areas (northern, middle, and southern-southwestern) based on chlorinated ethene constituent profiles.
- Maximum chlorinated ethene concentrations were generally measured at VAP borings in the middle transect area, where the predominance of TCE indicates little biodegradation via reductive dechlorination.
- In the northern transect area, chlorinated ethene profiles are dominated by reductive dechlorination daughter products (cis-1,2-DCE and VC), indicating that this biodegradation process is an active natural attenuation mechanism in this area of the Site.
- In the southern-southwestern transect area, in general, chlorinated ethene concentrations are relatively low and concentrations of cis-1,2-DCE and VC indicate that biodegradation via reductive dechlorination is an active natural attenuation process.

3.2 Mass Flux Evaluation

Mass flux is a rate measurement specific to a unit area (e.g., grams per day per square meter) that measures plume strength at a given time and location. Mass flux (J) is given by the product of permeability (i.e., hydraulic conductivity [K]), horizontal gradient (i), and contaminant concentration in groundwater (C). A more detailed discussion of the mass flux evaluation completed for this investigation is included as Appendix E.

The high-frequency permeability and concentration data collected through the entire thickness of the S1 Unit were evaluated in a 3-D modeling program (Earth Volumetric Studio [EVS]; Ctech, Inc.). Once assembled in the 3-D model, the interpolated data fields for K and C were multiplied together to produce estimates of relative mass flux that are displayed on 2-D cross-sections. Figures 5a through 5c include the results for TCE, cis-1,2-DCE, and VC. Each of these figures includes three panels: the top panel shows the K field across the cross section, the middle panel shows the C field for the respective compound across the cross section, and the bottom panel shows the relative mass flux for the respective compound across the cross section. Figure 5d is a three-panel figure showing the relative mass flux for TCE (top panel), cis-1,2-DCE (middle panel), and VC (bottom panel) on one figure for ease of identifying zones of relative mass flux along the transect. Based on this evaluation, 90 percent of the relative mass flux of TCE, cis-1,2-DCE, and VC occurs in less than 50 percent of the cross-sectional area containing groundwater concentrations above MCLs.

4 CONCEPTUAL SITE MODEL UPDATE

An updated groundwater CSM was described in Appendix A to the In-Situ Chemical Oxidation (ISCO) Pilot Injection Summary Report (Arcadis 2015). Various aspects of that CSM have been refined based on the VAP sampling results and recent natural attenuation (Arcadis 2016a) and isotope studies (Arcadis 2016b). The refinements to the CSM are presented below.

4.1 Lithology and Aquifer Characteristics

As detailed in the 2015 CSM update, the site-specific hydrostratigraphic units occur with increasing depth in the following sequence:

- Upper Confining Unit – consisting primarily of clay and till
- S1 Unit – sand and gravel glacial outwash
- Middle Confining Unit – hard clay-rich till
- S2 Unit – sand and gravel glacial outwash
- Lower Confining Unit – hard gray clayey silt
- S3 Unit – sand and gravel glacial outwash and highly weathered limestone
- B1 Unit – limestone bedrock.

The Upper Confining Unit and the S1 Unit were the focus of this VAP investigation. As noted in the 2015 CSM update, the water table typically occurs within the glacial till of the Upper Confining Unit, though the soil is of sufficiently low permeability that wetness is often difficult to observe in soil samples. The temporary wells provided one of the key findings from the VAP investigation and indicate that the till above the S1 unit is saturated and groundwater in the S1 unit is semi-confined at the eastern property boundary. The 10 temporary wells that could be sampled within 24 hours exhibited slow recharge. It is expected that that other two temporary wells eventually would have produced groundwater if given enough time. Slow recharge in the Upper Confining Unit is consistent with the HPT results, which show that hydraulic conductivity is generally less than the HPT's lower estimation limit of 0.1 feet/day. This lens of saturated soil in the Upper Confining Unit acts as a capillary barrier which overlies the S1 unit and prohibits diffusion of vapor-phase VOCs. In addition, dissolved-phase concentrations in the Upper Confining Unit are much lower than concentrations at the top of the S1 Unit, indicating that groundwater concentrations from the S1 Unit may not be a reliable indicator of vapor intrusion potential.

Hydraulic conductivity estimates from the HPT borings range from less than 0.1 to greater than 150 feet/day (the lower and upper limits to the HPT instrument), but are generally greater than 50 feet/day in the S1 Unit, which is in the same range as the 103 feet/day estimated in the CSM (Arcadis 2015).

Additional conclusions provided by the HPT logging include:

- The HPT pressure and hydraulic conductivity results confirm lateral and vertical heterogeneity in the S1 Unit.
- The upper contact of the S1 unit is highly variable along transect A-A' and there is a small area in the northern portion of the transect (near SB-1602) where the top of the sand is shallower than at nearby borings.
- The thickness of the S1 Unit is also variable along transect A-A'. The S1 unit is approximately 15-20 feet thick in the northern portion of the transect and is approximately 10 feet thick from SB-1608 to the southern point of the transect.
- The HPT logs do not indicate an obvious pattern of higher permeability toward the top or bottom of the S1.
- While the distribution of relative mass flux (Figures 5a through 5d) suggest that preferential transport pathways exist and 90% of the mass flux occurs within less than 50 percent of the cross-sectional area, the HPT methodology was not able to resolve distinct high permeability channels. This is likely because a significant portion of the S1 unit has a hydraulic conductivity greater than the 150 ft/day upper limit of the HPT.

4.2 Occurrence of Natural Attenuation

The occurrence of natural attenuation in groundwater at the Site has been previously assessed based on the USEPA's tiered lines-of-evidence approach (Arcadis 2016a). During this assessment, chlorinated ethene temporal concentration trends were examined, groundwater geochemical conditions were evaluated to determine likely attenuation mechanisms, key microbial groups were identified in Site groundwater, and chlorinated ethene molar profiles along potential groundwater flow paths were evaluated (Arcadis 2016a). These lines of evidence indicated that natural attenuation was occurring in Site groundwater, which can control plume migration, even without source area control. However, the assessment also identified anomalies in constituent concentrations and temporal trends. To evaluate if these anomalies were attributable to unidentified source areas, and/or variability in attenuation processes,

a compound specific isotope analysis (CSIA) investigation was conducted. CSIA of carbon in TCE was conducted on groundwater samples collected from a subset of nine monitoring wells (Arcadis 2016b). Results from these analyses provided further indication that biodegradation of chlorinated ethenes occurs in site groundwater, but also indicated complexity in the groundwater system that was not fully explained within the older versions of the site CSM at the time the evaluation was completed.

The natural attenuation and CSIA evaluations found strong evidence to indicate that TCE in the northern area of the Site had undergone substantial biodegradation via reductive dechlorination, generating a chlorinated ethene profile dominated by cis-1,2-DCE and VC. Downgradient, groundwater from this area of the Site appears to mix with groundwater containing TCE that has undergone less biodegradation via reductive dechlorination both on-site and off-site. At on-site monitoring well MW-0619-S1, it is clear that mixing of groundwater with distinct chlorinated ethene profiles occurs over time. At off-site monitoring well MW-0704-S1, conflicting data (including elevated TCE concentrations, an isotopic signature [via CSIA] that indicated substantial TCE degradation, and a larger proportion of cis-1,2-DCE than that observed at adjacent VAP sampling locations and at downgradient monitoring well locations) all suggest complex mixing of groundwater parcels with different histories in this off-site area.

However, chlorinated ethene profiles further downgradient, at monitoring wells MW-0608-S1 and MW-0609-S1, and microbial community survey results at monitoring well MW-0609-S1 provide strong evidence of robust biodegradation at the downgradient plume fringe.

In the southern area of the Site, chlorinated ethene profiles at monitoring wells and VAP sampling locations and CSIA results also indicate complex groundwater mixing patterns. For instance, although the proportion of cis-1,2-DCE generally increases between monitoring wells MW-0517-S1 and MW-0504-S1 (indicating increased biodegradation), the stable carbon isotope signature at monitoring well MW-0504-S1 is less ^{13}C -enriched relative to that at MW-0517-S1 (indicating that TCE is less degraded at MW-0504-S1). These results imply mixing of groundwater parcels with distinct histories.

Results from the VAP investigation and additional examination of chlorinated ethene molar compositions confirm the complexity inferred from the natural attenuation and CSIA investigations. The current data suggest that the reason for anomalous patterns along theoretical groundwater flow pathways between monitoring wells is that groundwater follows multiple flow pathways with different degrees of biodegradation occurring along each, and mixing of groundwater with different histories occurs at key monitoring locations.

5 CONCLUSIONS

The results and analysis presented in this report indicate that:

- Along the northern transect area, chlorinated ethene profiles are dominated by cis-1,2-DCE and VC and indicate substantial biodegradation via reductive dechlorination.
- The largest component of mass flux occurs in the middle area of the transect, and the predominance of TCE indicates substantially less biodegradation via reductive dechlorination in the middle portion of the Site.
- In the southwestern transect area, there is a relatively small area where chlorinated ethenes that have undergone limited biodegradation are migrating, but, in general, chlorinated ethene

concentrations are relatively low, and concentrations of cis-1,2-DCE and VC indicate biodegradation of TCE via reductive dechlorination.

- 90 percent of the relative mass flux of TCE, cis-1,2-DCE, and VC occurs in less than 50 percent of the cross-sectional area containing concentrations above MCLs.
- Shallow temporary wells installed during this investigation confirmed saturated conditions in the Upper Confining Unit. Dissolved-phase concentrations in the Upper Confining Unit are much lower than concentrations at the top of the S1 Unit, indicating that groundwater concentrations from the S1 Unit may not be a reliable indicator of vapor intrusion potential.
- Groundwater flow pathways at the Site are complex, and highlight that groundwater parcels with distinct histories mix in key areas of the Site, producing convoluted geochemical signatures. The data indicate that there are zones of higher mass flux and areas where natural attenuation processes are incomplete or ineffective.

6 REFERENCES

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TABLES



Table 1
Groundwater Analytical Data Summary
Former GM Delco Plant 5
Kokomo, Indiana

Location	Date	Sample ID	Sample Depth Interval (ft bgs)	Concentration (µg/L)															
				Acetone	Benzene	Bromomethane	Chloroform	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylcyclohexane	Methylene Chloride	Methyl-tert-butyl ether	Toluene	Trichloroethene	Vinyl chloride
SB-1601	11/8/2016	Piezo-SB-1601 (13.5-18.5)	13.5-18.5	11.5 J	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50.0	<5.0	<4.0	0.26 J	<5.0	<2.0
	11/1/2016	SB-1601 (21-24)	21-24	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	16.5	1.5 J	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/1/2016	SB-1601 (25-28)	25-28	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	6.5	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/1/2016	SB-1601 (28-31)	28-31	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	3.1 J	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/1/2016	SB-1601 (31-34)	31-34	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/1/2016	SB-1601 (34-37)	34-37	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50.0	<5.0	<4.0	0.66 J	<5.0	<2.0
SB-1602	11/1/2016	SB-1602 (12-15)	12-15	7.4 J	<5.0	<5.0	<5.0	3.1 J	<5.0	<5.0	367	7.1	<5.0	<50.0	<5.0	<4.0	<5.0	16.9	93.8
	11/1/2016	SB-1602 (16-19)	16-19	<100	<5.0	<5.0	<5.0	9.3 J	<5.0	1.7 J	1030	18.3	<5.0	5.4 J	<5.0	<4.0	<5.0	13.9	126
	11/1/2016	SB-1602 (19-22)	19-22	<100	<5.0	<5.0	<5.0	9.9 J	<5.0	1.8 J	993	17.4	<5.0	<50.0	<5.0	<4.0	<5.0	11.4	151
	11/1/2016	SB-1602 (22-25)	22-25	<100	<5.0	<5.0	<5.0	4.0 J	<5.0	<5.0	844	15.3	<5.0	4.6 J	<5.0	<4.0	<5.0	48.8	64.1
	11/1/2016	SB-1602 (25-28)	25-28	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	298	8.3	<5.0	<50.0	<5.0	<4.0	<5.0	70.6	2.9
	11/1/2016	SB-1602 (28-31)	28-31	<100	<5.0	<5.0	<5.0	1.0 J	<5.0	<5.0	88.9	2.5 J	<5.0	<50.0	<5.0	<4.0	<5.0	6.1	2.7
	11/1/2016	SB-1602 (31-34)	31-34	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	5.3	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/1/2016	SB-1602 (34-37)	34-37	<100	<5.0	<5.0	<5.0	1.5 J	<5.0	<5.0	95.1	2.0 J	<5.0	<50.0	<5.0	<4.0	0.46 J	8.7	5.3
SB-1603	11/7/2016	Piezo-SB-1603 (17.5-22.5)	17.5-22.5	8.1 J	<5.0	<5.0	<5.0	<100	<5.0	<5.0	18.8	1.3 J	<5.0	<50.0	<5.0	<4.0	0.22 J	<5.0	0.62 J
	11/3/2016	SB-1603 (24-27)	24-27	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	1160	125	<5.0	<50.0	<5.0	<4.0	0.86 J	1.7 J	54.4
	11/3/2016	SB-1603 (27-30)	27-30	<100	<5.0	<5.0	<5.0	<100	<5.0	2.2 J	1530	95.8	<5.0	<50.0	3.8 J	<4.0	1.5 J	<5.0	59.8
	11/3/2016	SB-1603 (30-33)	30-33	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	431	34.9	<5.0	<50.0	5.5	<4.0	1.1 J	<5.0	16.8
	11/3/2016	DUP-01 (110316)	30-33	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	341	44.5	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	36.3
	11/3/2016	SB-1603 (33-36)	33-36	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	232	23.7	<5.0	<50.0	4.1 J	<4.0	1.2 J	<5.0	11.2
	11/3/2016	SB-1603 (36-39)	36-39	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	81.8	8.2	<5.0	<50.0	5.4	<4.0	1.4 J	<5.0	1.4 J
	11/3/2016	SB-1603 (39-42)	39-42	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	26.2	2.4 J	<5.0	<50.0	6.7	<4.0	1.0 J	<5.0	<2.0
SB-1604	11/7/2016	Piezo-SB-1604 (17-22)	17-22	7.3 J	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50.0	<5.0	<4.0	0.24 J	<5.0	<2.0
	11/3/2016	SB-1604 (22-25)	22-25	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	230	21	<5.0	<50.0	<5.0	<4.0	<5.0	118	6.2
	11/3/2016	SB-1604 (25-28)	25-28	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	73.5	4.6 J	<5.0	<50.0	<5.0	<4.0	<5.0	9.2	1.7 J
	11/3/2016	SB-1604 (28-31)	28-31	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	3.1 J	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	1.6 J	<2.0
	11/3/2016	DUP-02 (110316)	28-31	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	5	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	2.6 J	<2.0
	11/3/2016	SB-1604 (31-34)	31-34	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	2.1 J	<2.0
	11/3/2016	SB-1604 (34-37)	34-37	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	3.2 J	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	4.1 J	<2.0
	11/3/2016	SB-1604 (37-40)	37-40	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	8.7	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	9.9	<2.0
	11/3/2016	SB-1604 (40-43)	40-43	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	9.3	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	8.9	<2.0

Table 1
Groundwater Analytical Data Summary
Former GM Delco Plant 5
Kokomo, Indiana

Location	Date	Sample ID	Sample Depth Interval (ft bgs)	Concentration (µg/L)															
				Acetone	Benzene	Bromomethane	Chloroform	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylcyclohexane	Methylene Chloride	Methyl-tert-butyl ether	Toluene	Trichloroethene	Vinyl chloride
SB-1605	11/4/2016	Piezo-SB-1605(110416)	17-22	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50.0	1.7 J	<4.0	0.80 J	<5.0	<2.0
	11/3/2016	SB-1605 (25-28)	25-28	<1000	<50.0	<50.0	<50.0	<1000	<50.0	<50.0	315	42.5 J	<50.0	<500	<50.0	<40.0	<50.0	6020	<20.0
	11/3/2016	SB-1605 (28-31)	28-31	<100	0.21 J	<5.0	0.26 J	<100	<5.0	0.86 J	272	42.2	<5.0	<50.0	<5.0	<4.0	0.39 J	4520	0.51 J
	11/3/2016	SB-1605 (31-34)	31-34	<100	<5.0	<5.0	<5.0	<100	<5.0	0.86 J	276	44.5	<5.0	<50.0	<5.0	<4.0	0.23 J	5510	0.32 J
	11/3/2016	SB-1605 (34-37)	34-37	<100	<5.0	<5.0	<5.0	<100	<5.0	0.31 J	149	17.6	<5.0	<50.0	<5.0	<4.0	<5.0	601	0.11 J
	11/3/2016	SB-1605 (37-40)	37-40	<1000	<50.0	<50.0	<50.0	<1000	<50.0	<50.0	135	13.6 J	3.8 J	<500	14.2 J	<40.0	<50.0	357	<20.0
	11/3/2016	SB-1605 (40-43)	40-43	<100	<5.0	<5.0	<5.0	<100	<5.0	0.26 J	170	23.9	<5.0	<50.0	<5.0	<4.0	0.26 J	714	<2.0
SB-1606	11/3/2016	SB-1605 (43-46)	43-46	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	183	29.9	<5.0	<50.0	<5.0	<4.0	0.39 J	565	<2.0
	11/4/2016	Piezo-SB-1606(110416)	12.5-17.5	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	41.3	2.4 J	<5.0	<50.0	3.0 J	<4.0	0.43 J	2.8 J	9.4
	11/4/2016	SB-1606(20-23)	20-23	<5000	<250	<250	<250	<5000	<250	<250	954	54.9 J	<250	<2500	153 J	<200	<250	3930	67.6 J
	11/4/2016	SB-1606(23-26)	23-26	<100	0.26 J	<5.0	<5.0	<100	<5.0	<5.0	73.9	22.3	<5.0	<50.0	<5.0	<4.0	0.63 J	517	<2.0
	11/4/2016	SB-1606(26-29)	26-29	3.9 J	0.28 J	<5.0	<5.0	<100	<5.0	0.37 J	137	15.6	<5.0	<50.0	<5.0	<4.0	0.35 J	331	<2.0
	11/4/2016	SB-1606(29-32)	29-32	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	69.9	11.8	<5.0	<50.0	<5.0	<4.0	0.48 J	203	<2.0
	11/4/2016	SB-1606(32-35)	32-35	<100	0.22 J	<5.0	<5.0	<100	<5.0	<5.0	74.4	8.4	<5.0	<50.0	<5.0	<4.0	0.41 J	170	<2.0
	11/4/2016	SB-1606(35-38)	35-38	<100	0.23 J	<5.0	<5.0	<100	<5.0	<5.0	79.1	7.1	<5.0	0.45 J	<5.0	<4.0	0.62 J	181	<2.0
SB-1607	11/4/2016	SB-1606(38-41)	38-41	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	70.9	3.8 J	<5.0	<50.0	<5.0	<4.0	0.46 J	136	<2.0
	11/4/2016	SB-1606(41-44)	41-44	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	73.9	5.6	<5.0	<50.0	<5.0	<4.0	0.26 J	68.6	0.35 J
	11/4/2016	SB-1607(19-22)	19-22	<100	<5.0	<5.0	<5.0	<100	<5.0	0.80 J	422	37	<5.0	<50.0	<5.0	<4.0	0.42 J	1310	32.4
	11/4/2016	SB-1607(22-25)	22-25	<1000	<50.0	<50.0	<50.0	<1000	<50.0	<50.0	55.3	15.8 J	<50.0	<500	33.2 J	<40.0	<50.0	463	<20.0
	11/4/2016	SB-1607(25-28)	25-28	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	41.8	2.7 J	<5.0	<50.0	<5.0	<4.0	0.37 J	56.1	<2.0
	11/4/2016	SB-1607(28-31)	28-31	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	32.8	1.6 J	<5.0	<50.0	<5.0	<4.0	0.29 J	33.2	<2.0
	11/4/2016	SB-1607(31-34)	31-34	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	10	0.20 J	<5.0	<50.0	<5.0	<4.0	0.27 J	10.3	<2.0
SB-1608	11/4/2016	SB-1607(34-37)	34-37	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	5.5	<5.0	<5.0	<50.0	<5.0	<4.0	0.27 J	7.7	<2.0
	11/4/2016	SB-1607(37-40)	37-40	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	4.3 J	<5.0	<5.0	<50.0	<5.0	<4.0	0.25 J	7.9	<2.0
	11/8/2016	Piezo-SB-1608 (14.5-19.5)	14.5-19.5	4.4 J	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	0.46 J	<2.0
	11/7/2016	SB-1608 (21-24)	21-24	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	231	31.8	<5.0	<50.0	4.3 J	<4.0	<5.0	654	57.9
	11/7/2016	SB-1608 (24-27)	24-27	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	84.1	16.6	<5.0	<50.0	4.8 J	<4.0	<5.0	346	9.6
	11/7/2016	SB-1608 (27-30)	27-30	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	16.2	<5.0	<5.0	<50.0	4.7 J	<4.0	<5.0	37.8	<2.0
	11/7/2016	SB-1608 (30-33)	30-33	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	6.1	<5.0	<5.0	<50.0	4.9 J	<4.0	<5.0	58.1	<2.0

Table 1
Groundwater Analytical Data Summary
Former GM Delco Plant 5
Kokomo, Indiana

Location	Date	Sample ID	Sample Depth Interval (ft bgs)	Concentration (µg/L)															
				Acetone	Benzene	Bromomethane	Chloroform	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylcyclohexane	Methylene Chloride	Methyl-tert-butyl ether	Toluene	Trichloroethene	Vinyl chloride
SB-1609	11/8/2016	Piezo-SB-1609 (15-20)	15-20	6.1 J	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/7/2016	SB-1609 (21-24)	21-24	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	24.2	8.4	<5.0	<50.0	<5.0	<4.0	0.23 J	43.5	1.9 J
	11/7/2016	SB-1609 (24-27)	24-27	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	15.5	1.5 J	<5.0	<50.0	<5.0	<4.0	0.13 J	9.8	0.54 J
	11/7/2016	DUP-03 (110716)	24-27	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	26	5.5	<5.0	<50.0	<5.0	<4.0	0.098 J	35	1.6 J
	11/7/2016	SB-1609 (27-30)	27-30	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	4.1 J	<5.0	<5.0	<50.0	<5.0	<4.0	0.21 J	<5.0	<2.0
	11/7/2016	SB-1609 (30-33)	30-33	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	4.1 J	<5.0	<5.0	<50.0	<5.0	<4.0	0.24 J	1.8 J	<2.0
SB-1610	11/10/2016	Piezo-SB-1610 (11-16)	11-16	9.0 J	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/9/2016	SB-1610 (18-21)	18-21	<100	<5.0	<5.0	0.24 J	<100	2.2 J	0.93 J	270	33.6	<5.0	<50.0	<5.0	<4.0	<5.0	107	5.5
	11/9/2016	SB-1610 (22-25)	22-25	<500	<25.0	<25.0	<25.0	<500	<25.0	<25.0	460	65.7	<25.0	<250	4.5 J	<20.0	<25.0	1360	3.8 J
	11/9/2016	SB-1610 (25-28)	25-28	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	28.8	6.1	<5.0	<50.0	<5.0	<4.0	0.19 J	40	0.14 J
SB-1611	11/14/2016	SB-1611 (16-19)	16-19	<500	<25.0	<25.0	<25.0	<500	10.1 J	5.6 J	1010	107	<25.0	<250	50.8	<20.0	<25.0	2970	21.7
	11/14/2016	SB-1611 (19-22)	19-22	<1000	<50.0	<50.0	<50.0	<1000	10.7 J	4.8 J	803	103	<50.0	<500	87	<40.0	1.9 J	2650	19.7 J
	11/14/2016	SB-1611 (22-25)	22-25	<100	0.29 J	<5.0	<5.0	<100	1.5 J	<5.0	122	42.2	<5.0	<50.0	<5.0	<4.0	0.24 J	451	5.5
	11/14/2016	SB-1611 (25-28)	25-28	<100	<5.0	<5.0	<5.0	<100	0.95 J	<5.0	41.6	12.5	<5.0	<50.0	<5.0	<4.0	<5.0	112	1.1 J
	11/14/2016	SB-1611 (28-31)	28-31	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	13.1	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	10.5	<2.0
SB-1612	11/10/2016	Piezo-SB-1612 (12-17)	12-17	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	0.24 J	<2.0
	11/9/2016	SB-1612 (18-21)	18-21	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	2.2 J	<5.0	<5.0	<50.0	<5.0	<4.0	0.19 J	<5.0	8.9
	11/9/2016	SB-1612 (21-24)	21-24	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	0.25 J	<5.0	<5.0	<50.0	<5.0	<4.0	0.21 J	0.39 J	3.5
	11/9/2016	SB-1612 (24-27)	24-27	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50.0	<5.0	<4.0	0.33 J	0.14 J	<2.0
	11/9/2016	SB-1612 (27-30)	27-30	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/9/2016	SB-1612 (30-33)	30-33	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	0.77 J	<5.0	<5.0	<50.0	<5.0	<4.0	0.17 J	2.1 J	<2.0
SB-1613	11/14/2016	SB-1613 (19-22)	19-22	<100	<5.0	<5.0	<5.0	<100	1.6 J	<5.0	3.5 J	0.36 J	<5.0	<50.0	<5.0	<4.0	<5.0	18.1	<2.0
	11/14/2016	SB-1613 (22-25)	22-25	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	3.6 J	0.34 J	<5.0	<50.0	<5.0	<4.0	<5.0	21.5	<2.0
	11/14/2016	SB-1613 (25-28)	25-28	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	4.1 J	0.88 J	<5.0	<50.0	<5.0	<4.0	<5.0	24.1	<2.0
	11/14/2016	SB-1613 (28-31)	28-31	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	4.4 J	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	17.8	<2.0
	11/14/2016	SB-1613 (31-34)	31-34	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	3.5 J	0.75 J	<5.0	<50.0	<5.0	<4.0	<5.0	11.4	<2.0

Table 1
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Former GM Delco Plant 5
Kokomo, Indiana

Location	Date	Sample ID	Sample Depth Interval (ft bgs)	Concentration (µg/L)															
				Acetone	Benzene	Bromomethane	Chloroform	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylcyclohexane	Methylene Chloride	Methyl-tert-butyl ether	Toluene	Trichloroethene	Vinyl chloride
SB-1615	11/10/2016	Piezo-SB-1615 (14-19)	14-19	3.5 J	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/9/2016	SB-1615 (22-25)	22-25	<1000	<50.0	<50.0	<50.0	<1000	<50.0	<50.0	293	35.6 J	<50.0	<500	<50.0	<40.0	<50.0	6890	<20.0
	11/9/2016	SB-1615 (25-28)	25-28	<100	<5.0	<5.0	<5.0	<100	<5.0	0.27 J	229	30.6	<5.0	<50.0	<5.0	<4.0	0.26 J	2360	<2.0
	11/9/2016	SB-1615 (28-31)	28-31	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	140	25	<5.0	<50.0	<5.0	<4.0	0.19 J	861	<2.0
	11/9/2016	SB-1615 (31-34)	31-34	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	92.9	25.1	<5.0	<50.0	<5.0	<4.0	0.15 J	542	0.17 J
	11/9/2016	DUP-04 (110916)	31-34	<1000	<50.0	<50.0	<50.0	<1000	<50.0	<50.0	77.4	19.6 J	<50.0	<500	23.8 J	<40.0	<50.0	442	<20.0
	11/9/2016	SB-1615 (34-37)	34-37	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	67.1	17.3	<5.0	<50.0	<5.0	<4.0	<5.0	293	<2.0
	11/9/2016	SB-1615 (37-40)	37-40	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	68.1	11.7	<5.0	<50.0	<5.0	<4.0	0.20 J	133	0.21 J
	11/9/2016	SB-1615 (40-43)	40-43	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	89.8	18.7	<5.0	<50.0	<5.0	<4.0	<5.0	151	0.16 J
SB-1616	11/9/2016	SB-1615 (43-46)	43-46	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	122	35.1	<5.0	<50.0	<5.0	<4.0	0.15 J	197	<2.0
	11/11/2016	SB-1616 (21-24)	21-24	<100	<5.0	<5.0	<5.0	<100	<5.0	2.4 J	355	112	<5.0	<50.0	<5.0	<4.0	0.28 J	2260	3.7
	11/11/2016	SB-1616 (24-27)	24-27	<100	<5.0	<5.0	<5.0	<100	<5.0	2.1 J	293	80.5	<5.0	<50.0	<5.0	<4.0	0.37 J	1150	2.6
	11/11/2016	SB-1616 (27-30)	27-30	<100	<5.0	<5.0	<5.0	<100	<5.0	0.56 J	224	27.7	<5.0	<50.0	<5.0	0.19 J	0.16 J	272	<2.0
	11/11/2016	SB-1616 (30-33)	30-33	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	118	5.0 J	<5.0	<50.0	<5.0	<4.0	0.19 J	52	<2.0
	11/11/2016	SB-1616 (33-36)	33-36	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	101	3.9 J	<5.0	<50.0	<5.0	<4.0	0.18 J	82.5	<2.0
	11/10/2016	SB-1616 (36-39)	36-39	2.7 J	<5.0	<5.0	<5.0	<100	<5.0	<5.0	148	12.2	<5.0	<50.0	<5.0	<4.0	0.29 J	215	<2.0
	11/10/2016	SB-1616 (39-42)	39-42	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	116	5.1	<5.0	<50.0	<5.0	<4.0	0.29 J	175	<2.0
SB-1617	11/10/2016	SB-1616 (42-45)	42-45	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	154	7.2	<5.0	<50.0	<5.0	<4.0	0.29 J	173	<2.0
	11/14/2016	SB-1617 (18-21)	18-21	<100	0.70 J	0.55 J	<5.0	<100	<5.0	<5.0	104	7	<5.0	<50.0	<5.0	<4.0	<5.0	3.3 J	33.6
	11/14/2016	SB-1617 (25-28)	25-28	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	58.4	3.7 J	<5.0	<50.0	<5.0	<4.0	<5.0	0.25 J	0.33 J
	11/14/2016	SB-1617 (28-31)	28-31	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	30.4	1.6 J	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/14/2016	SB-1617 (31-34)	31-34	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	3.1 J	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
SB-1618	11/14/2016	SB-1617 (34-37)	34-37	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	1.1 J	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/11/2016	SB-1618(27-30)	27-30	<100	<5.0	<5.0	<5.0	<100	<5.0	1.9 J	533	21.2	<5.0	<50.0	<5.0	<4.0	<5.0	133	25.5
	11/11/2016	SB-1618(31-34)	31-34	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	50.4	1.6 J	<5.0	<50.0	<5.0	<4.0	<5.0	10.3	1.8 J
	11/11/2016	SB-1618(34-37)	34-37	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	16.7	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	7.9	0.59 J
	11/11/2016	DUP-05(111116)	34-37	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	22.8	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	10.3	<2.0
	11/11/2016	SB-1618(37-40)	37-40	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	6.4	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	5.1	<2.0
SB-1618	11/11/2016	SB-1618(40-43)	40-43	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	57.3	2.4 J	<5.0	<50.0	<5.0	<4.0	<5.0	25.1	1.2 J

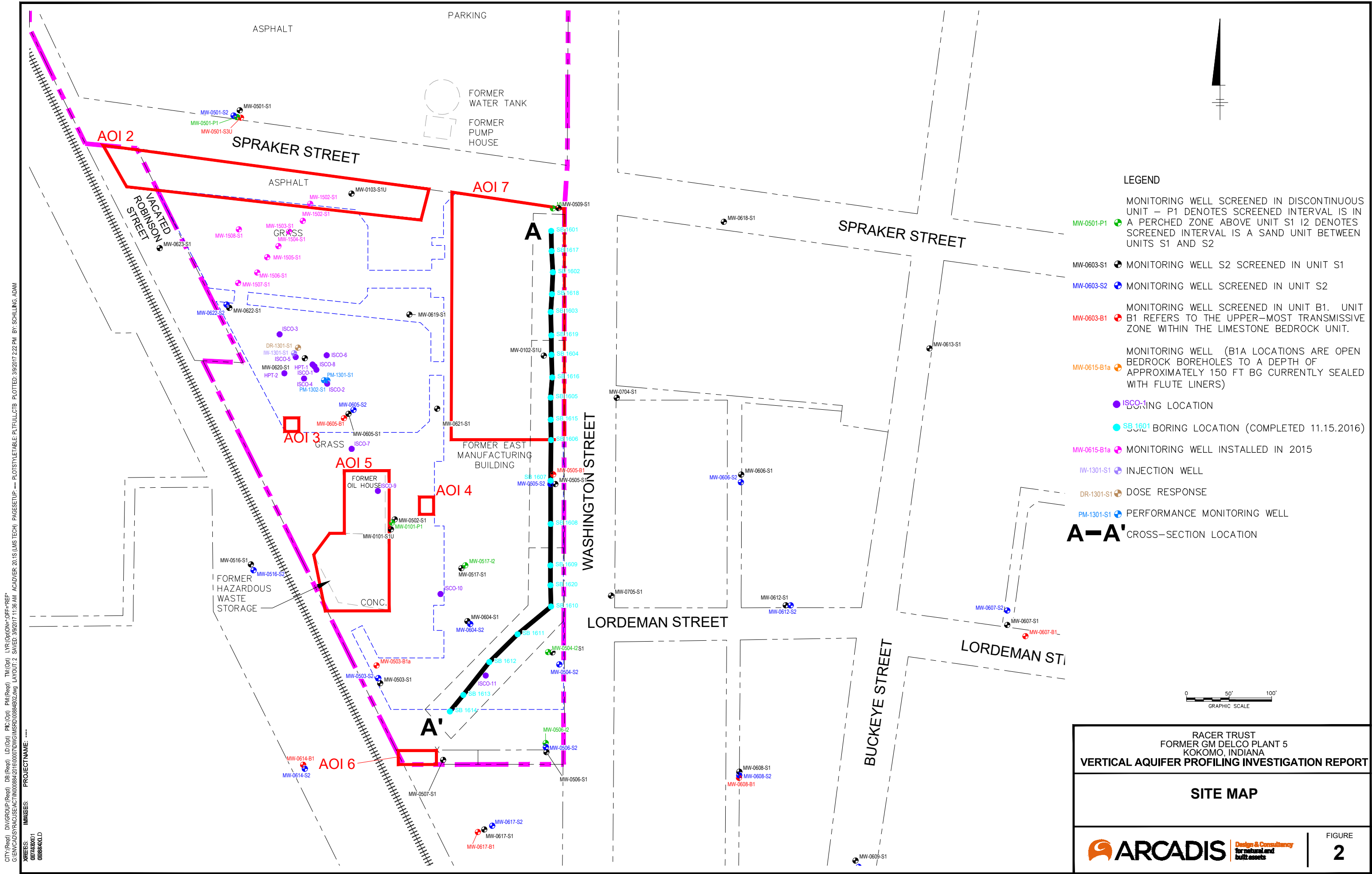
Table 1
Groundwater Analytical Data Summary
Former GM Delco Plant 5
Kokomo, Indiana

Location	Date	Sample ID	Sample Depth Interval (ft bgs)	Concentration (µg/L)															
				Acetone	Benzene	Bromomethane	Chloroform	Cyclohexane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylcyclohexane	Methylene Chloride	Methyl-tert-butyl ether	Toluene	Trichloroethene	Vinyl chloride
SB-1619	11/11/2016	SB-1619(21-24)	21-24	<100	<5.0	<5.0	<5.0	<100	15.6	3.0 J	852	43.1	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	12.3
	11/11/2016	SB-1619(24-27)	24-27	<100	<5.0	<5.0	<5.0	<100	7.5	3.7 J	857	73.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	12.0
	11/11/2016	SB-1619(27-30)	27-30	<100	<5.0	<5.0	<5.0	<100	3.4 J	2.6 J	486	47.4	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	7.2
	11/11/2016	SB-1619(30-33)	30-33	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	43.1	4.2 J	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/11/2016	SB-1619(33-36)	33-36	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	9.5	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	0.98 J	<2.0
	11/11/2016	SB-1619(36-39)	36-39	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	5.6	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/11/2016	SB-1619(39-42)	39-42	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	12.5	1.2 J	<5.0	<50.0	<5.0	<4.0	<5.0	1.2 J	<2.0
SB-1620	11/15/2016	SB-1620 (18-21)	18-21	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	40.7	8.3	<5.0	<50.0	<5.0	<4.0	<5.0	0.73 J	8.2
	11/15/2016	SB-1620 (22-25)	22-25	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	2.4 J	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/15/2016	DUP-07 (111516)	22-25	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	2.1 J	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/15/2016	SB-1620 (25-28)	25-28	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	0.94 J	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/15/2016	DUP-06 (111516)	25-28	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	0.90 J	<5.0	<5.0	<50.0	<5.0	<4.0	<5.0	<5.0	<2.0
	11/15/2016	SB-1620 (28-31)	28-31	<100	<5.0	<5.0	<5.0	<100	<5.0	<5.0	1.9 J	0.21 J	<5.0	<50.0	<5.0	<4.0	0.28 J	0.21 J	<2.0
Screening Level				14,000	5	7.5	80	13,000	28	7	70	100	700	NA	5	140	1,000	5	2

Notes:
ft bgs - feet below ground surface
J - The compound was positively identified; however, the associated numerical value is an estimated concentration only
NA - not available
µg/L - micrograms per liter
< - The compound was analyzed for but not detected. The associated value is the compound quantitation limit
Concentrations highlighted gray exceed the screening criteria
The data are screened against United States Environmental Protection Agency (USEPA) Drinking Water Screening Criteria (Maximum Contaminant Levels [MCLs]). If no MCL is established, the Indiana Deptmt of Environmental Management Remediation Closure Guide (RCG) Tap Water Criteria were used for screening.

FIGURES

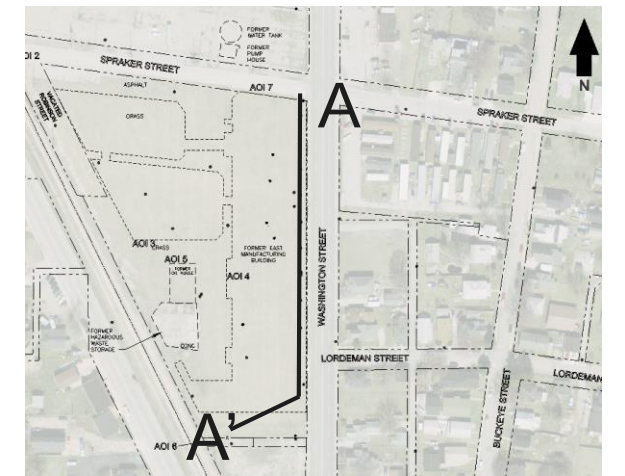
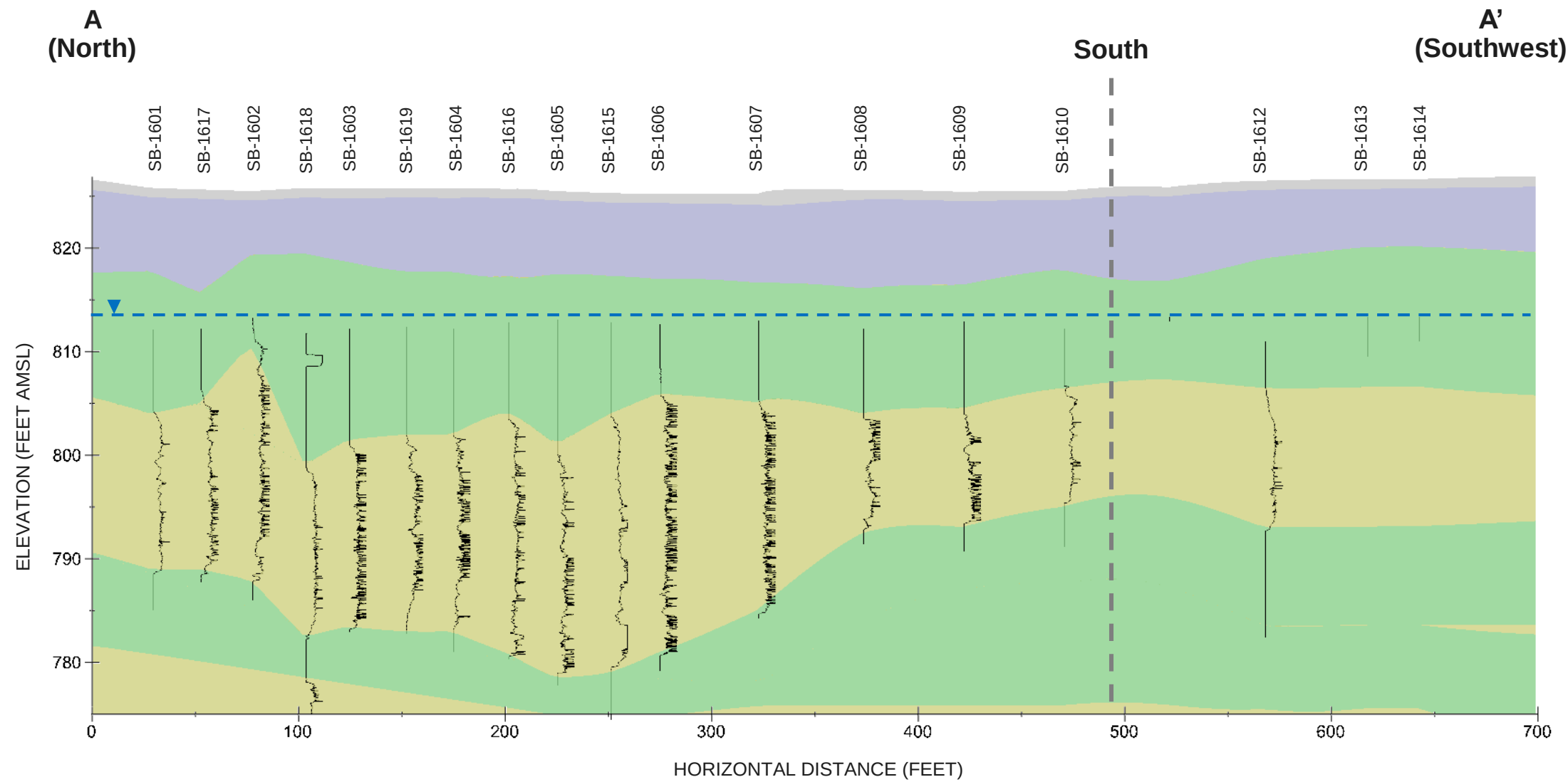






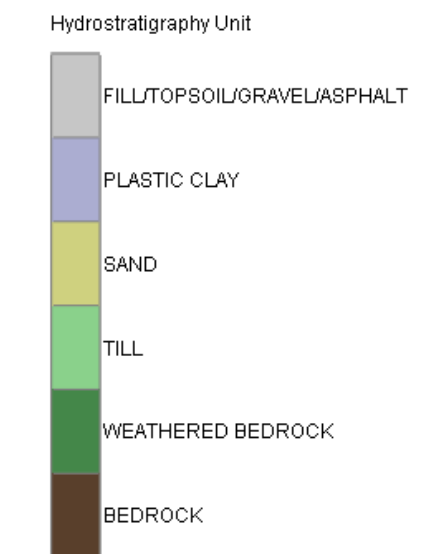
RACER TRUST
FORMER GM DELCO PLANT 5
KOKOMO, INDIANA
VERTICAL AQUIFER PROFILING INVESTIGATION REPORT

TCE GROUNDWATER CONCENTRATION
CONTOURS - S1 UNIT



--- Piezometric surface from HPT

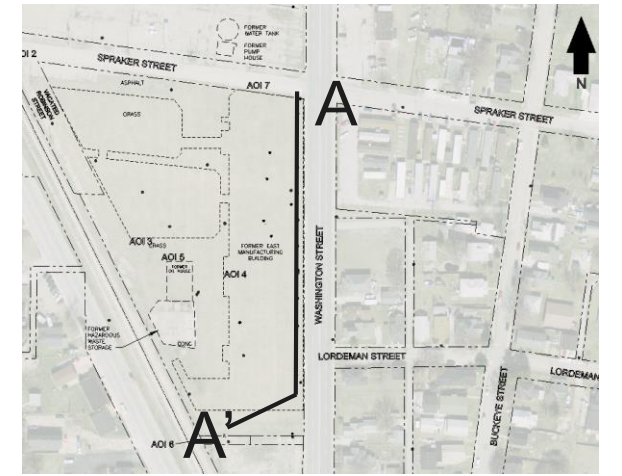
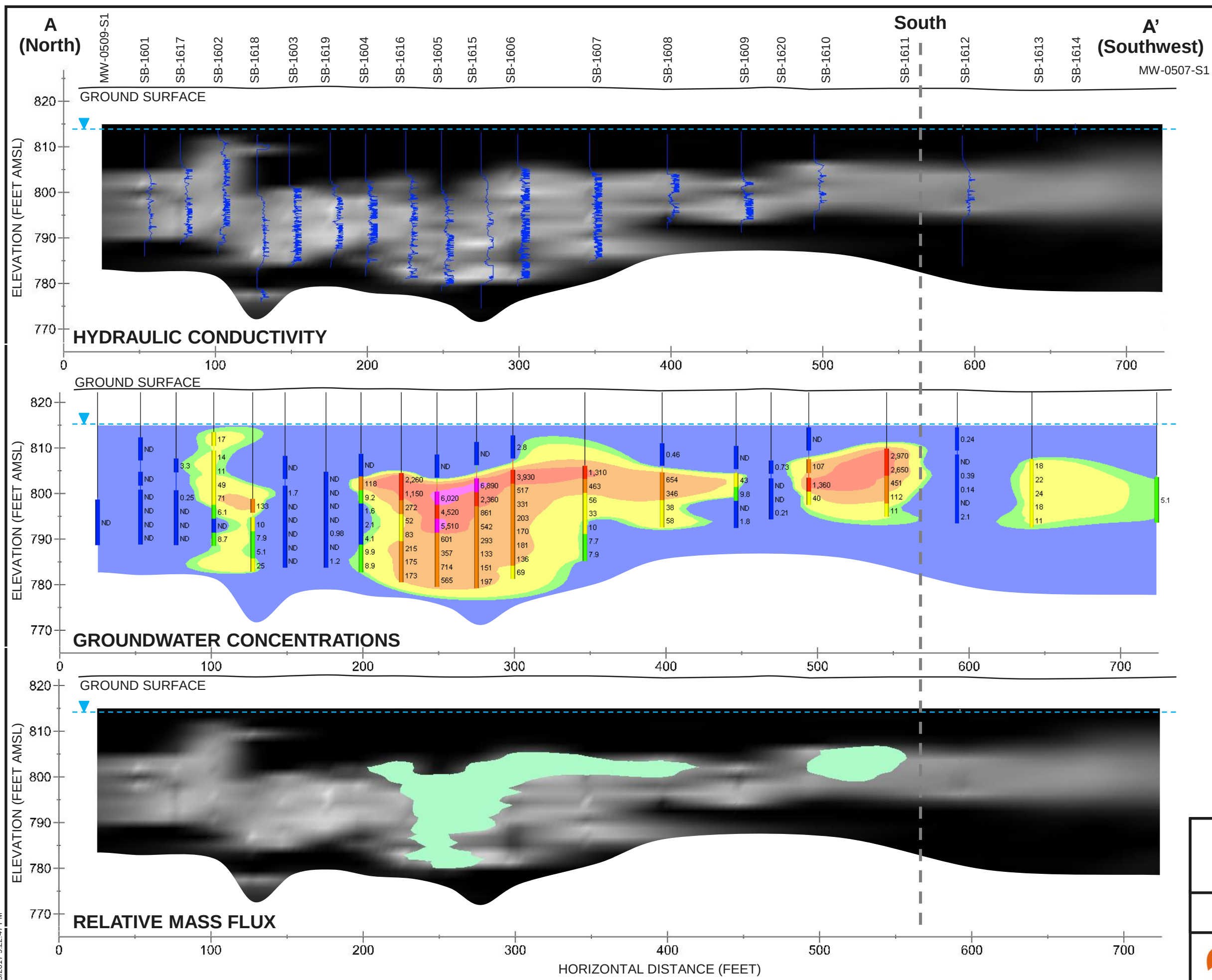
Estimated hydraulic conductivity (0.1 – 150 ft/day)



- Notes:
- 1) HPT = Hydraulic Profiling Tool
 - 2) ft/day = feet per day
 - 3) AMSL = above mean sea level

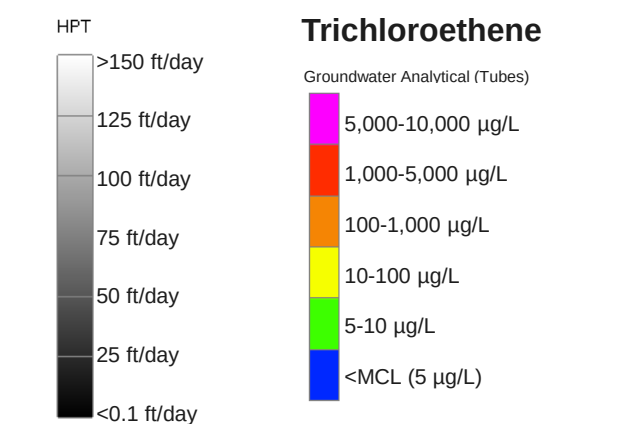
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KOKOMO, INDIANA
VERTICAL AQUIFER PROFILING INVESTIGATION
REPORT

HPT RESULTS STRATIGRAPHIC
CROSS-SECTION



— Piezometric surface from HPT

Estimated hydraulic conductivity
(<0.1 – >150 ft/day)



Relative Flux (unitless)

~90% Flux occurs within
~20% of area >MCL

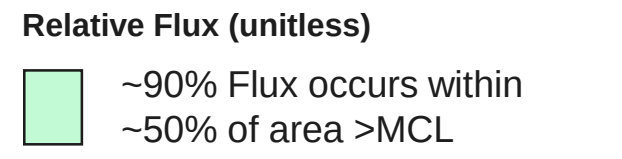
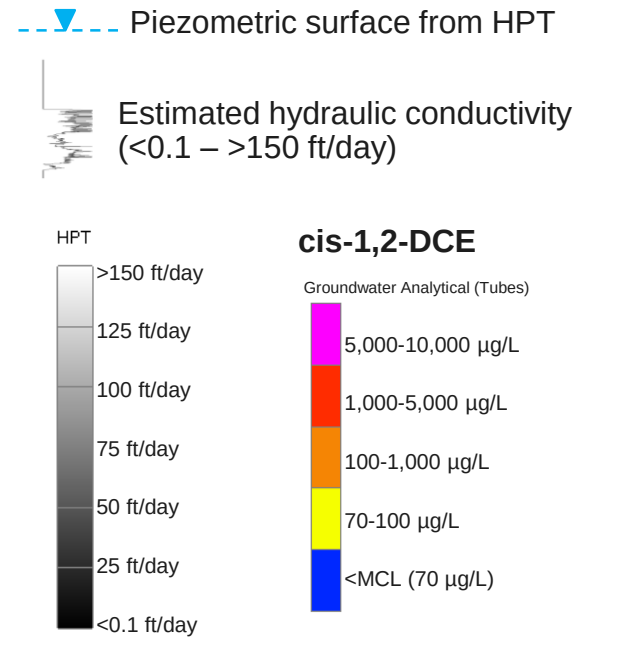
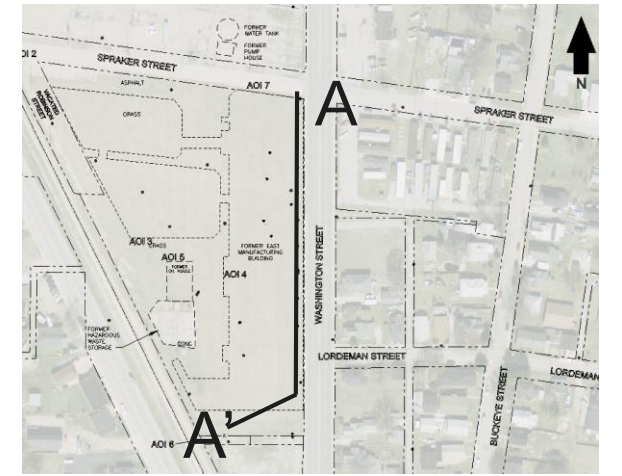
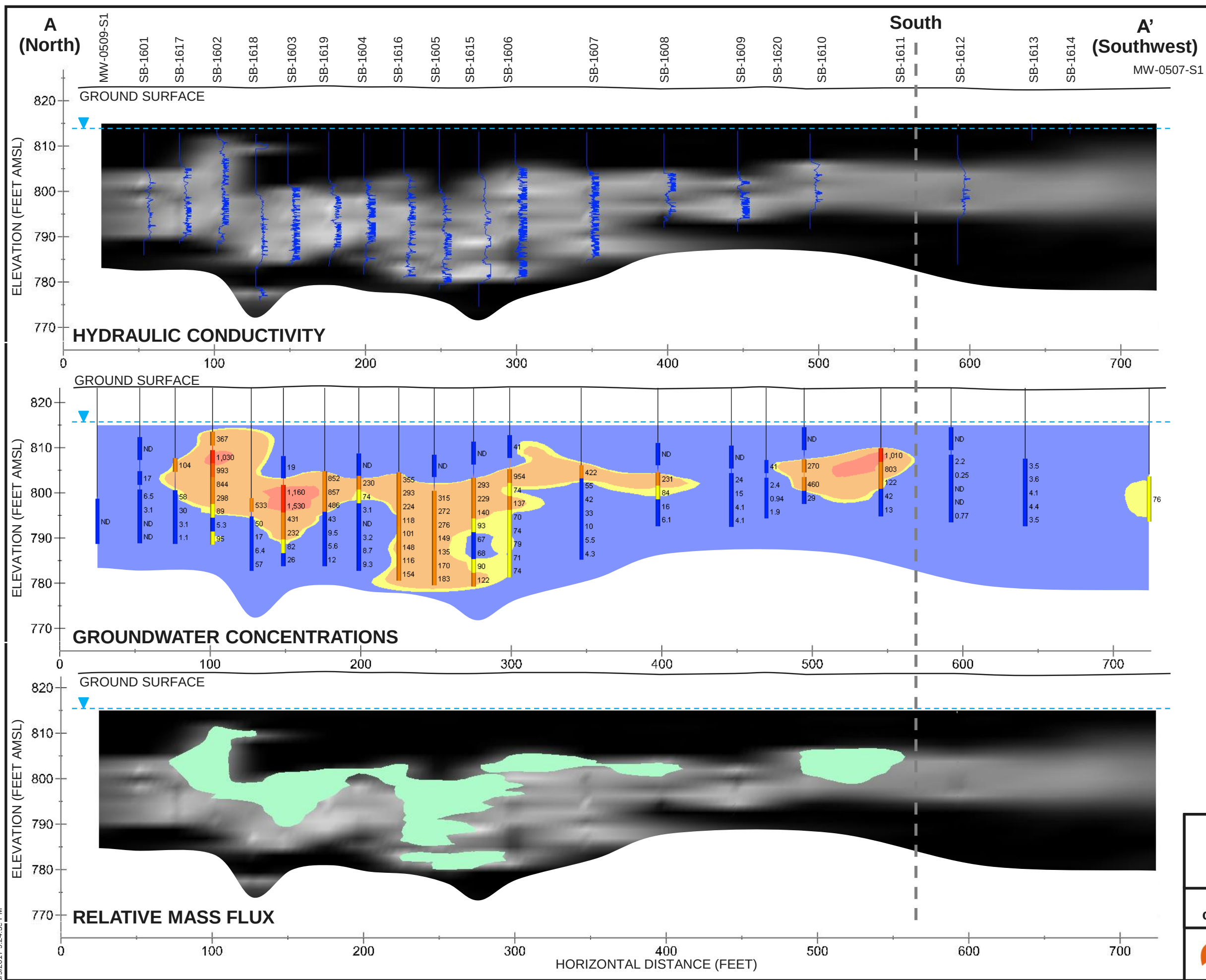
- Notes:
- 1) HPT = Hydraulic Profiling Tool
 - 2) TCE = Trichloroethene
 - 3) MCL = Maximum Contaminant Level
 - 4) ND = Not Detected
 - 5) ft/day = feet per day
 - 6) AMSL = above mean sea level
 - 7) µg/L = micrograms per liter

RACER TRUST
FORMER GM DELCO PLANT 5
KOKOMO, INDIANA
VERTICAL AQUIFER PROFILING INVESTIGATION
REPORT

MASS FLUX CROSS SECTION
TCE FLUX ALONG TRANSECT A-A'

ARCADIS Design & Consultancy
for natural and built assets

FIGURE
5a



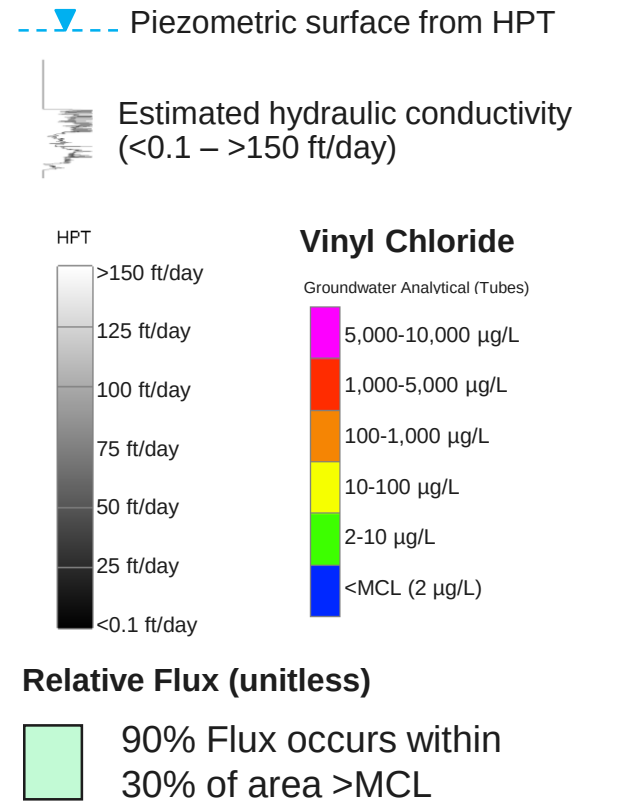
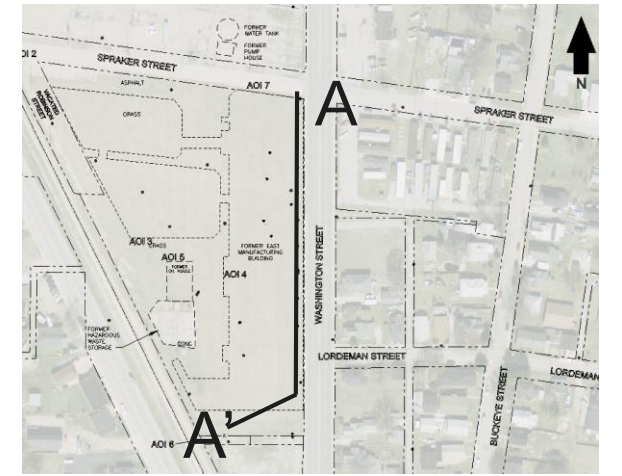
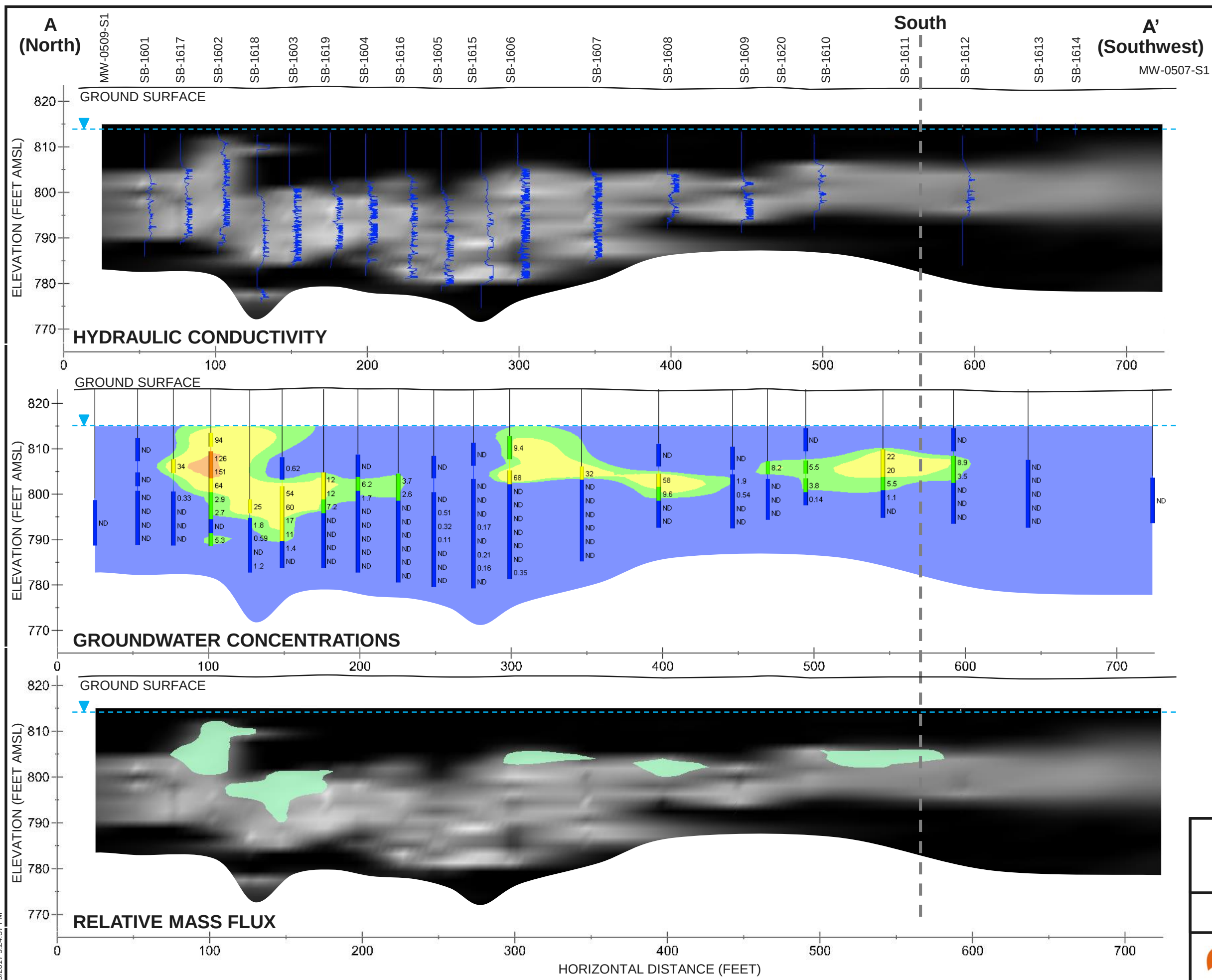
- Notes:
- 1) HPT = Hydraulic Profiling Tool
 - 2) Cis-1,2-DCE = cis-1,2-Dichloroethene
 - 3) MCL = Maximum Contaminant Level
 - 4) ND = Not Detected
 - 5) ft/day = feet per day
 - 6) AMSL = above mean sea level
 - 7) µg/L = micrograms per liter

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KOKOMO, INDIANA
VERTICAL AQUIFER PROFILING INVESTIGATION
REPORT

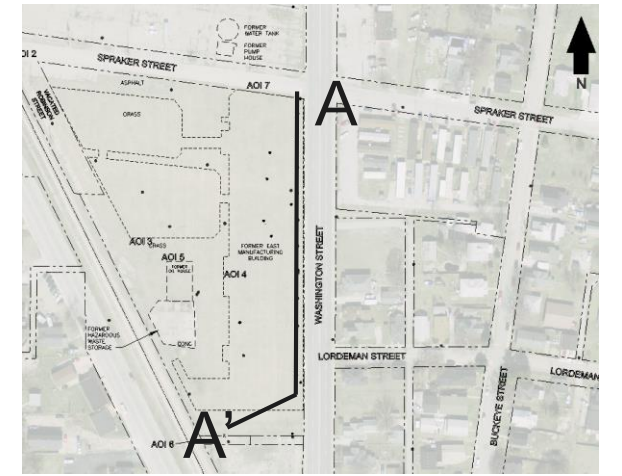
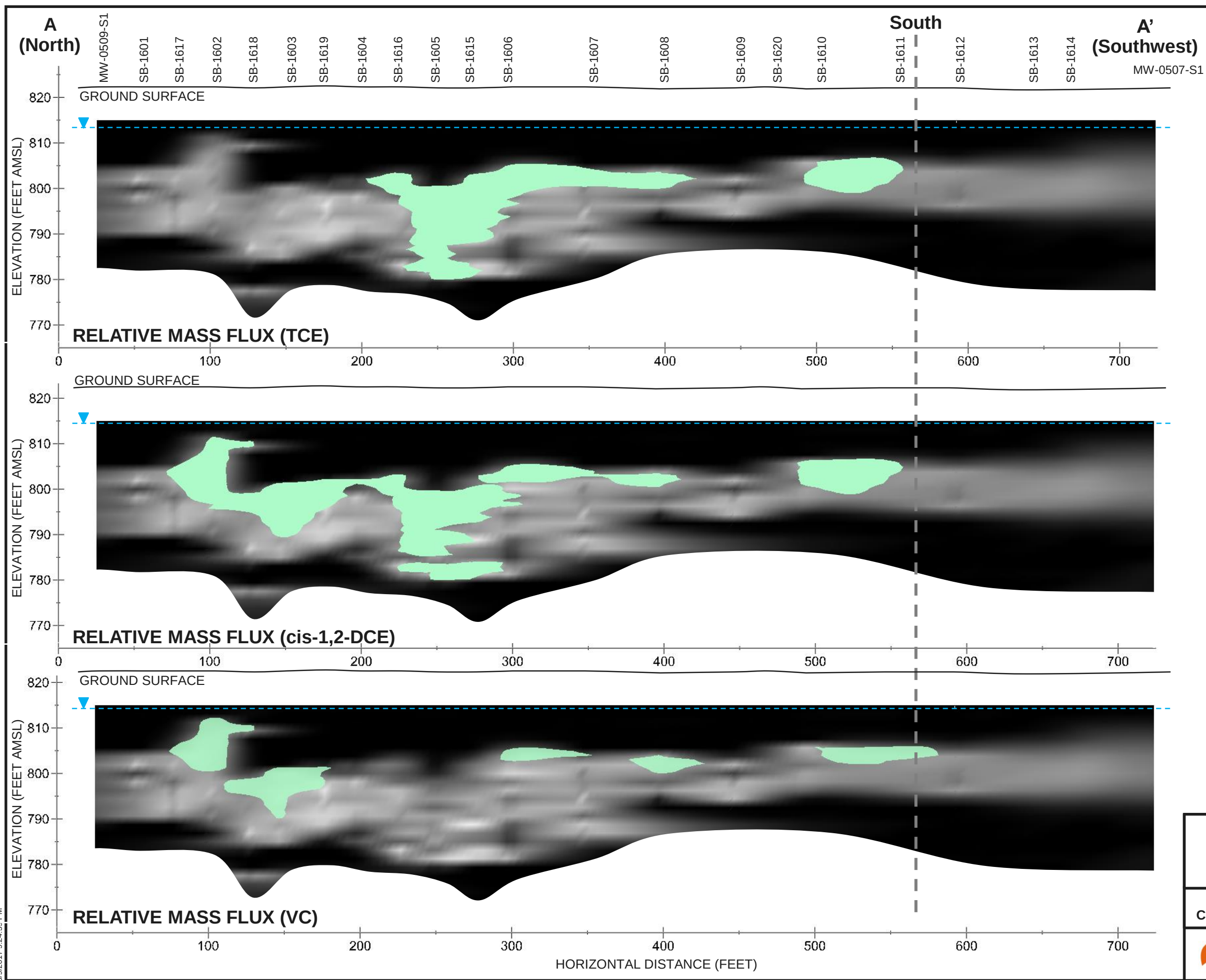
MASS FLUX CROSS SECTION
cis-1,2-DCE FLUX ALONG TRANSECT A-A'

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for natural and built assets

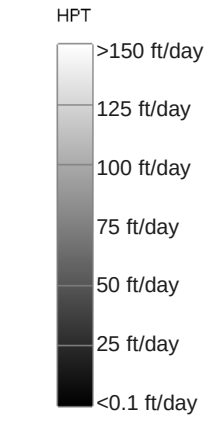
FIGURE
5b



- Notes:
- 1) HPT = Hydraulic Profiling Tool
 - 2) VC = Vinyl Chloride
 - 3) MCL = Maximum Contaminant Level
 - 4) ND = Not Detected
 - 5) ft/day = feet per day
 - 6) AMSL = above mean sea level
 - 7) µg/L = micrograms per liter



--- Piezometric surface from HPT



Relative Flux (unitless)
90% Flux within area >MCL

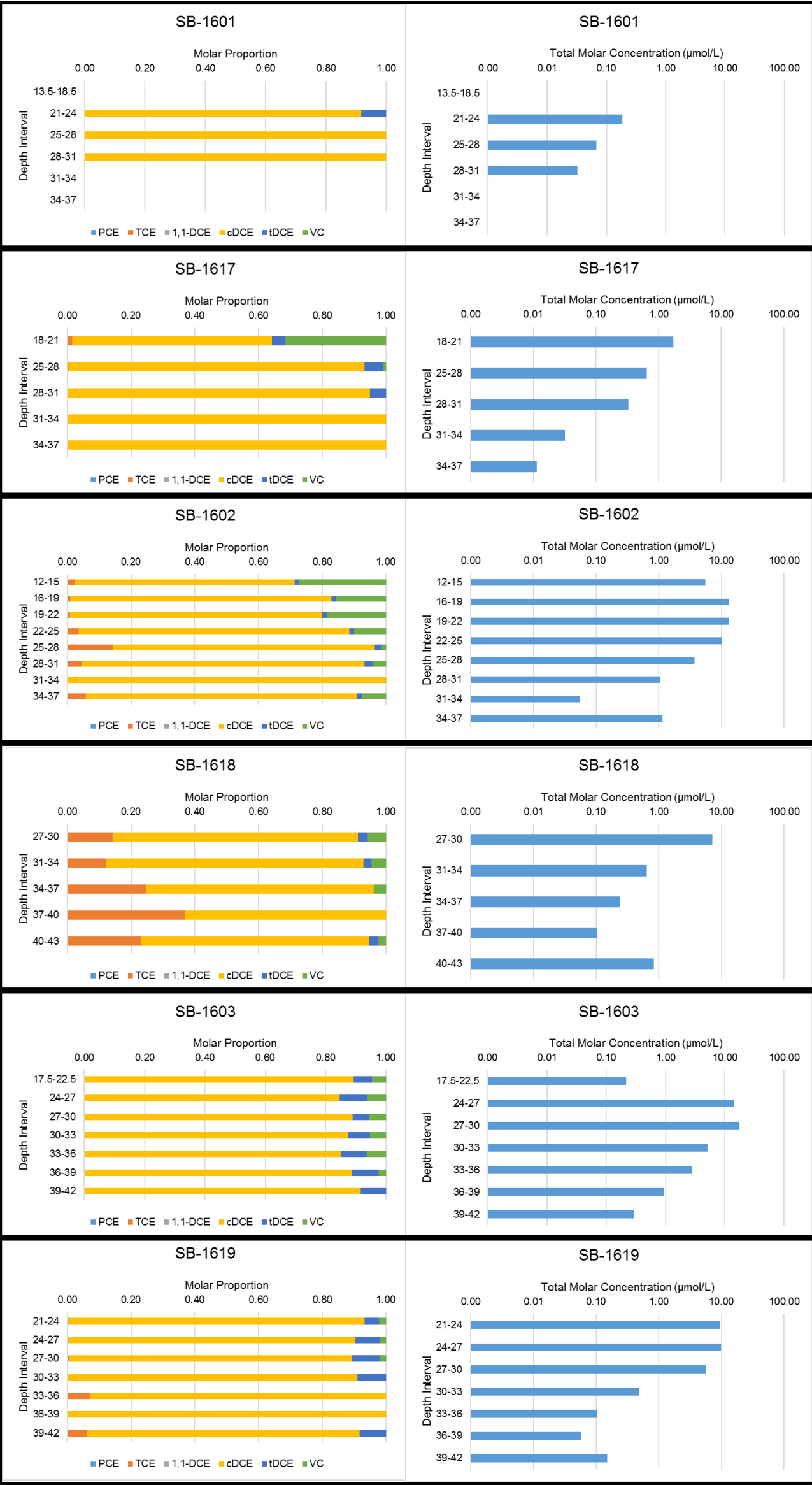
- Notes:
- 1) HPT = Hydraulic Profiling Tool
 - 2) TCE = Trichloroethene
 - 3) cis-1,2-DCE = 1,2-Dichloroethene
 - 4) VC = Vinyl Chloride
 - 5) ft/day = feet per day
 - 6) AMSL = above mean sea level

RACER TRUST
FORMER GM DELCO PLANT 5
KOKOMO, INDIANA
VERTICAL AQUIFER PROFILING INVESTIGATION
REPORT

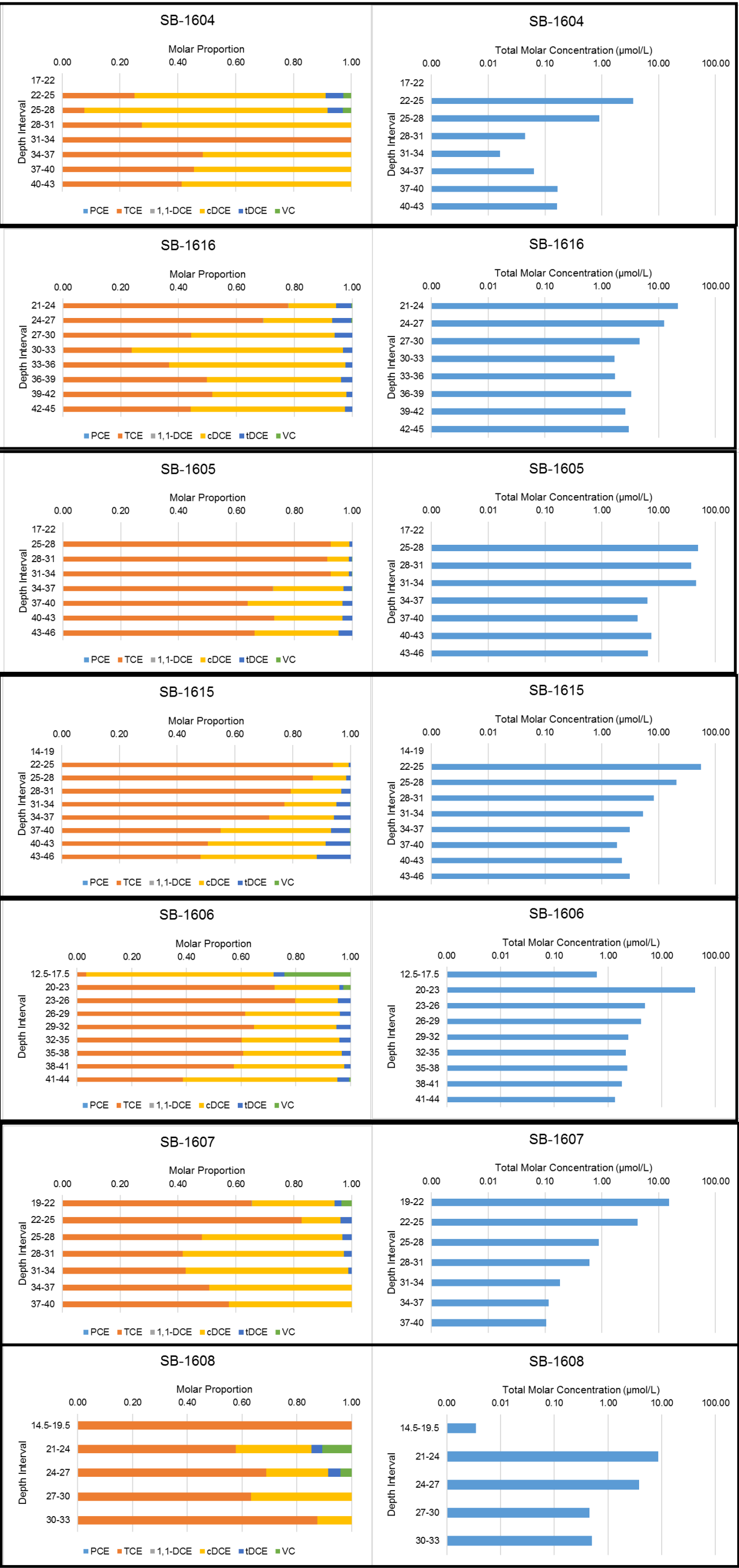
MASS FLUX CROSS SECTION
COMPARISON OF FLUX ALONG TRANSECT A-A'

Design & Consultancy
for natural and
built assets

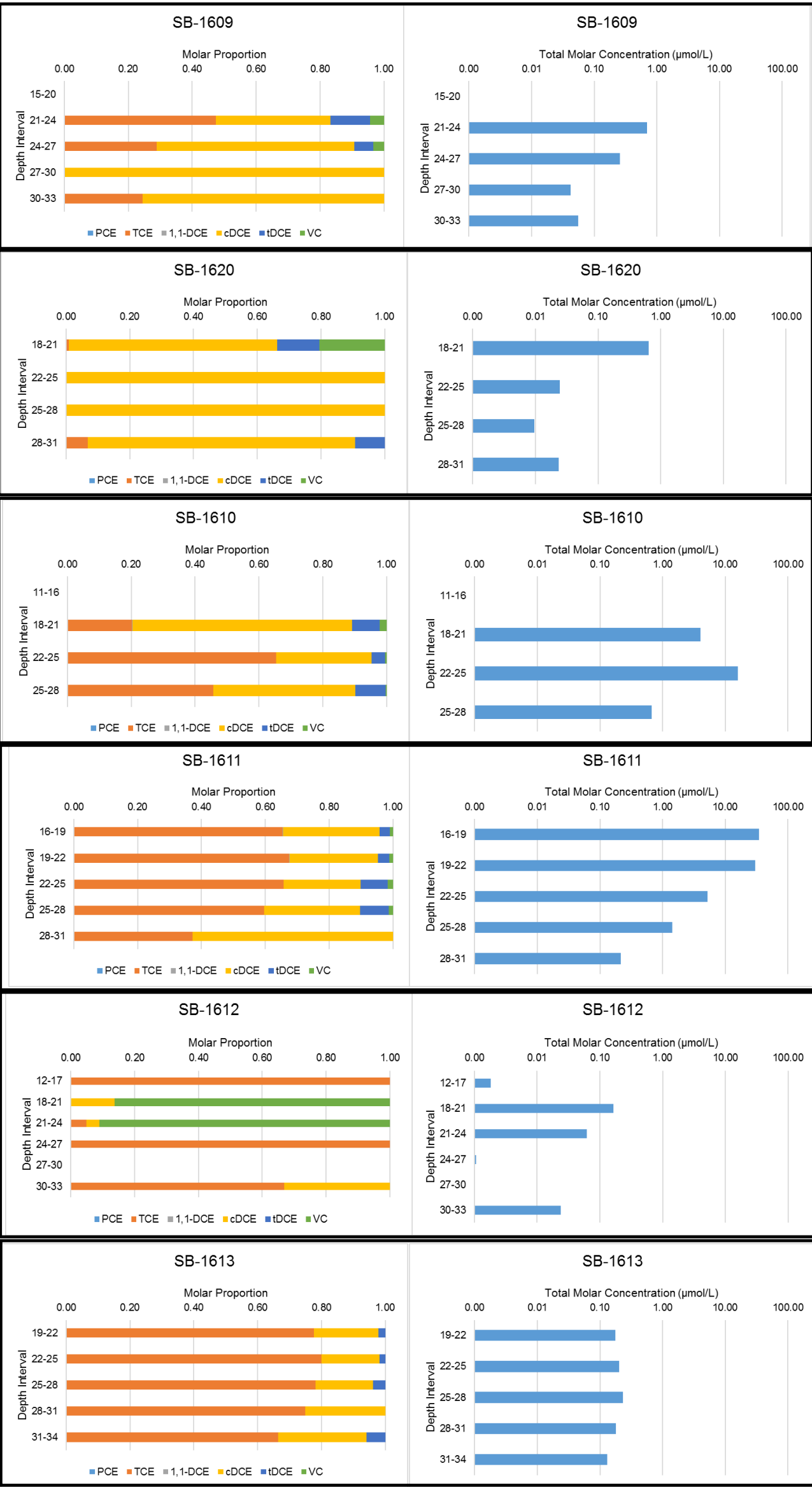
FIGURE
5d



Notes:
Depth intervals presented in feet below ground surface
PCE = tetrachloroethene
TCE = trichloroethene
1,1-DCE = 1,1-dicholoroethene
cDCE = cis-1,2-dichloroethene
tDCE = trans-1,2-dichloroethene
VC = vinyl chloride
µmol/L = micromoles per liter



Notes:
Depth intervals presented in feet below ground surface
PCE = tetrachloroethene
TCE = trichloroethene
1,1-DCE = 1,1-dicholoroethene
cDCE = cis-1,2-dichloroethene
tDCE = trans-1,2-dichloroethene
VC = vinyl chloride
µmol/L = micromoles per liter



Notes:
Depth intervals presented in feet below ground surface
PCE = tetrachloroethene
TCE = trichloroethene
1,1-DCE = 1,1-dicholoroethene
cDCE = cis-1,2-dichloroethene
tDCE = trans-1,2-dichloroethene
VC = vinyl chloride
µmol/L = micromoles per liter



APPENDIX A

HPT Boring Summary



Stock Drilling, Inc.

HPT Boring Summary

RACER Kokomo, Kokomo, IN

Prepared for Arcadis

Prepared by Jonathan Wiley

Stock Drilling Inc.

P.O.Box 186

Ida, MI 48159

(734) 279-2059

www.stockdrilling.com

Stock Drilling

Direct Imaging



HPT Boring Summary

Racer Kokomo, Kokomo, IN

Index:

A: Introduction

B: Project Summary

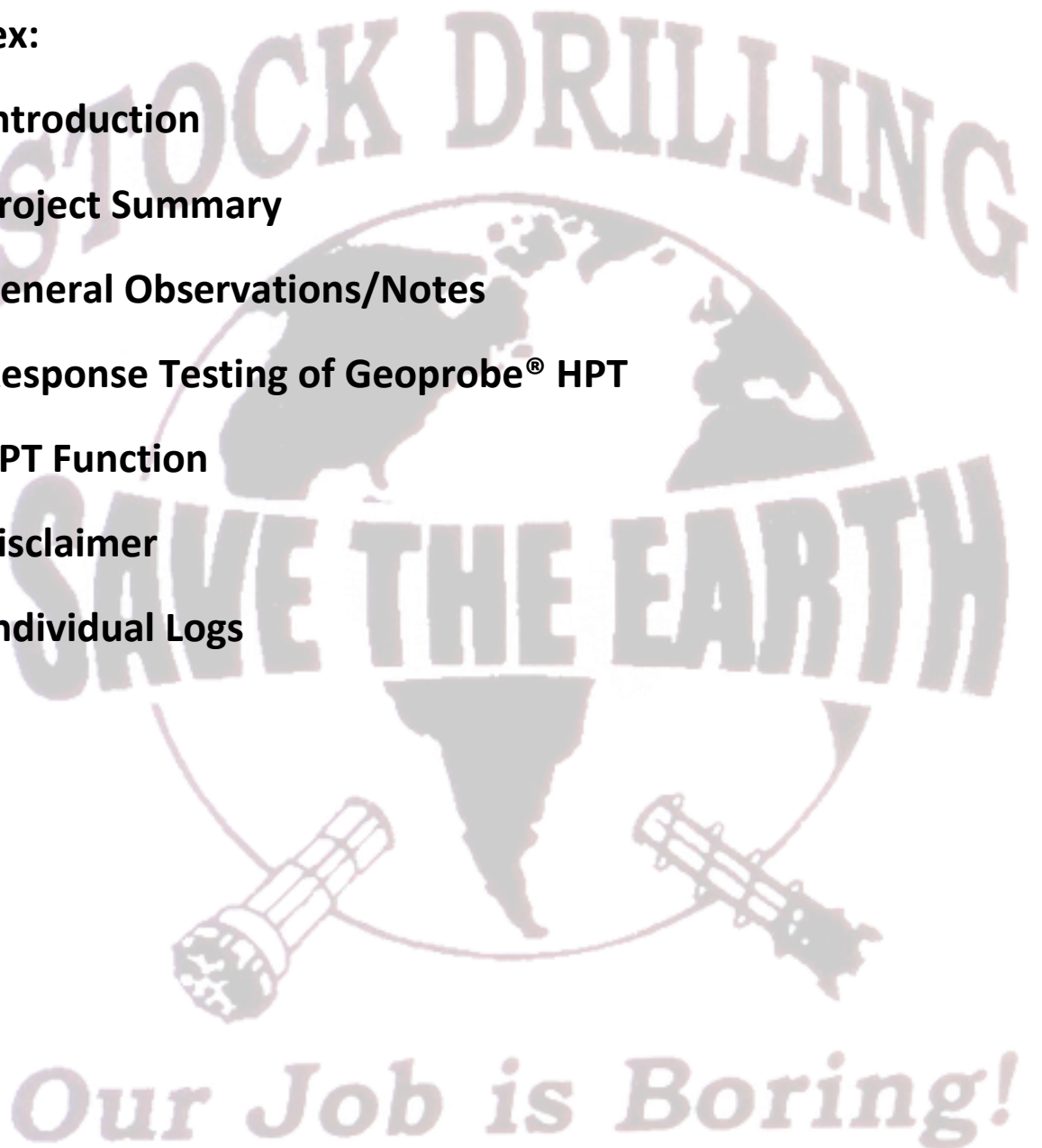
C: General Observations/Notes

D: Response Testing of Geoprobe® HPT

E: HPT Function

F: Disclaimer

G: Individual Logs



Introduction

The HPT investigation took place on Monday, October 31, 2016 thru Thursday, November 10, 2016. The investigation consisted of nineteen HPT borings. The number and locations of the borings were specified by the Arcadis field staff on site.

Project Summary

Monday, October 31, 2016

Prior to beginning work the Health and Safety plan was reviewed and we discussed the scope and goals for the project. On boring SB1602 the string pot which records our depth failed at 26'. We pulled the tooling to step off and redo the boring with a new string pot and found that the rod adapter had broke and could not remove it from the connection tube. We then strung up our spare trunk line and probe and completed the boring. On boring SB1603 we had encountered string pot issues again. We corrected the problem with a little trouble shooting and redid the boring. We completed three HPT borings for the day.

Wednesday, November 2, 2016

Prior to beginning work the Health and Safety plan was reviewed. On boring SB1604 we encountered an issue with the electric conductivity and repaired it. On boring SB1607 we encountered tight soil conditions which caused excessive heat in the dampener and it started smoking. On boring SB1608 the dampener started smoking again and we had to stop and let it cool down before we could advance. Upon pulling the tooling on boring SB1608 we found that the probe had bent slightly. On boring SB1609 the hard soil conditions caused the dampener to fail and caused the HPT probe to break off down hole. We completed six HPT borings for the day.

Tuesday, November 8, 2016

Prior to beginning work the Health and Safety plan was reviewed. On boring SB1611 we encountered refusal at 13.55'. We stepped off and encountered refusal again. On boring SB1613 we encountered refusal at 15.4'. On boring SB1614 we encountered refusal at 15'. On boring SB1615 we advanced through the till and had to grout the bore hole. We completed six HPT borings for the day.

Thursday, November 10, 2016

Prior to beginning work the Health and Safety plan was reviewed. Prior to the first boring we changed out the dampener inserts. On boring SB1618 we had a string pot issue and replaced it. We also advanced through the till and had to grout the bore hole. We completed four HPT borings for the day wrapping up the HPT portion of the project.

General Observations/Notes

Breakdowns/Standbys: Productivity was good despite the string pot issues and breaking a probe off down hole.

Safety Incidents/Stop work: N/A

Validation/Sampling: VAP borings were completed.

General Comments:

Overall the investigation went well. The extremely tough soil conditions caused significant equipment damage. All borings that were advanced through the till were grouted upon completion. We maintained a two man HPT sampling crew to expedite progress. Included with this summary is a flash drive including all the files for the project. The DI viewer software that is needed to view and alter the logs in their raw form is available for download at www.Geoprobe.com. There are copies of each log in a PDF format enclosed in the flash drive as well that can be viewed on any PDF reader.

Response Testing of Geoprobe® HPT

Response testing is used to evaluate any changes that occur in the HPT screen after it is advanced in the subsurface, and aids in accurately determining static water levels. Field testing is required before and after the first log, and after each additional log to verify the screen is not damaged or clogged.

HPT Function:

The HPT system is designed to evaluate the hydraulic behavior of unconsolidated materials. As the probe is pushed or hammered at 2cm/s, clean water is pumped through a screen on the side of the HPT probe at a low flow rate, usually less than 300 mL/min. Injection pressure, which is monitored and plotted with depth, is an indication of the hydraulic properties of the soil. That is, a relatively low pressure response would indicate a relatively large grain size, and the ability to easily transmit water. A relatively high pressure response, however, would indicate a relatively small grain size and the lack of ability to transmit water. The probe assembly consists of the section that houses the 100 psi pressure transducer, water and electrical connections, and the probe body with the injection screen and electrical conductivity Wenner array. Injecting water at a constant rate is integral to system operation. A controller box houses components that monitor and regulate the water injection rate and pressure, as well as pressure transducer signal conditioning electronics. The flow rate, up to 1000 mL/min, is set manually on the front of the controller, and a valve is used to turn on or shut off flow. A vane pump provides system pressure ensuring adequate flow to the screen. The pump is secured to a frame with an integrated visual flow meter, and connects to the controller using a hose with quick connect fittings on each end. Water and power are transmitted from the controller to the probe assembly via the trunk line. Data collection occurs in real time by connecting the controller to the field instrument. The field instrument collects stores and displays transducer pressure, flow rate and electrical conductivity, line pressure, probe rate, and diagnostic parameters, with depth. Since the HPT pressure response is analogous to relative changes in the ability to transmit water (and therefore the relative change in dominant grain size), the HPT system can be used to identify potential contaminant migration pathways. The HPT system also can be used to collect profiles of static water pressure data, which can be used to calculate static water levels.

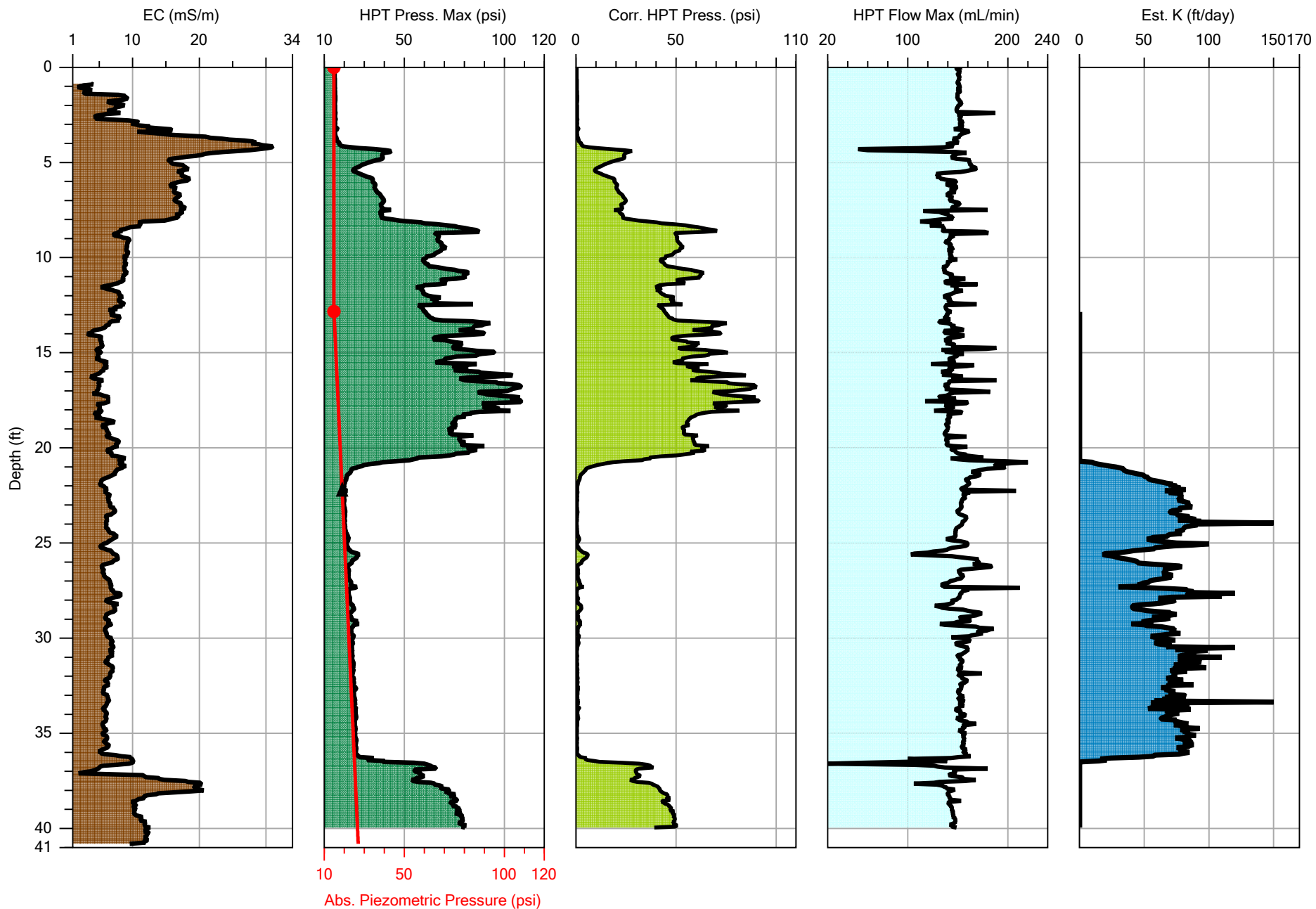
Disclaimer:

The analysis and opinions expressed in this report are based upon data obtained from the samples collected at the indicated locations and from other information discussed in this report. Exceptions, if any, are discussed in the Project Summary. This report is prepared for the exclusive use of our client for their specific application to the project discussed and has been prepared in accordance with generally accepted practices. Reported results shall not be reproduced, except in full, without written approval of Stock Drilling Inc. The sample results relate only to the analytes of locations tested. No warranties, expressed or implied are intended or made.

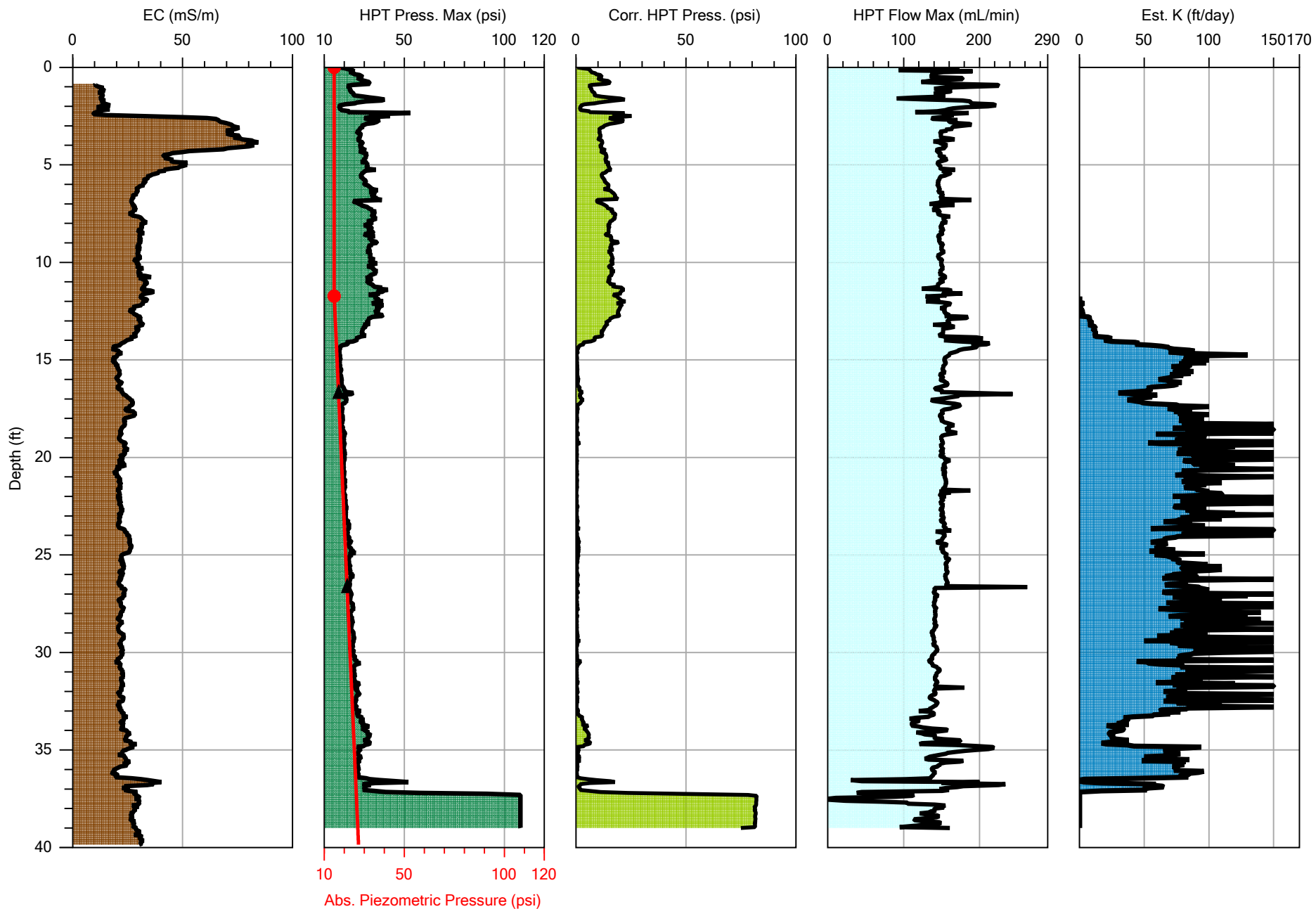
I certify that the data contained in this final report has been generated and reviewed in accordance with approved methods and our Standard Operating Procedure. Release of this final report is authorized Stock Drilling Inc., which is verified by the following signature.

Approval Signature

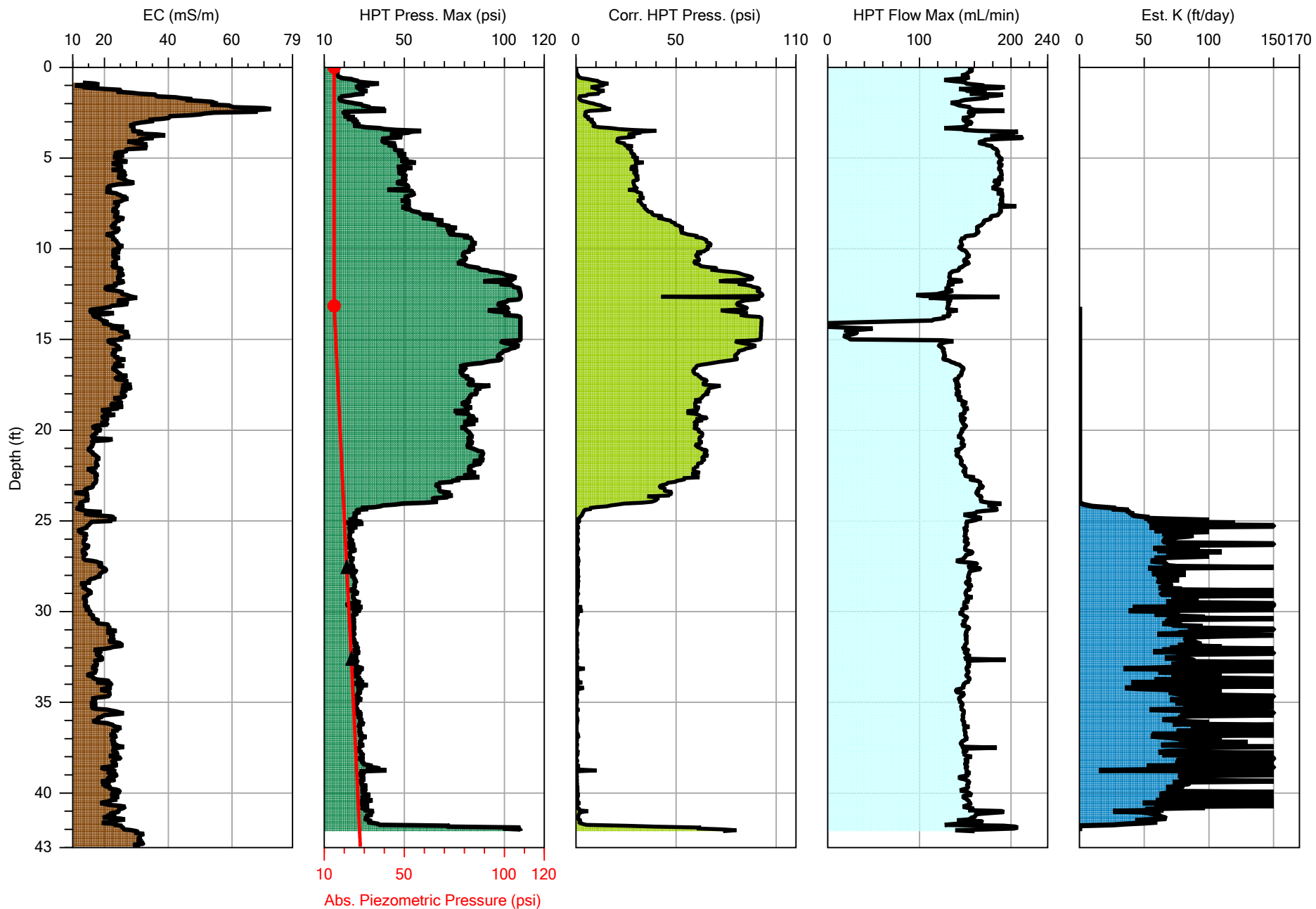
Date



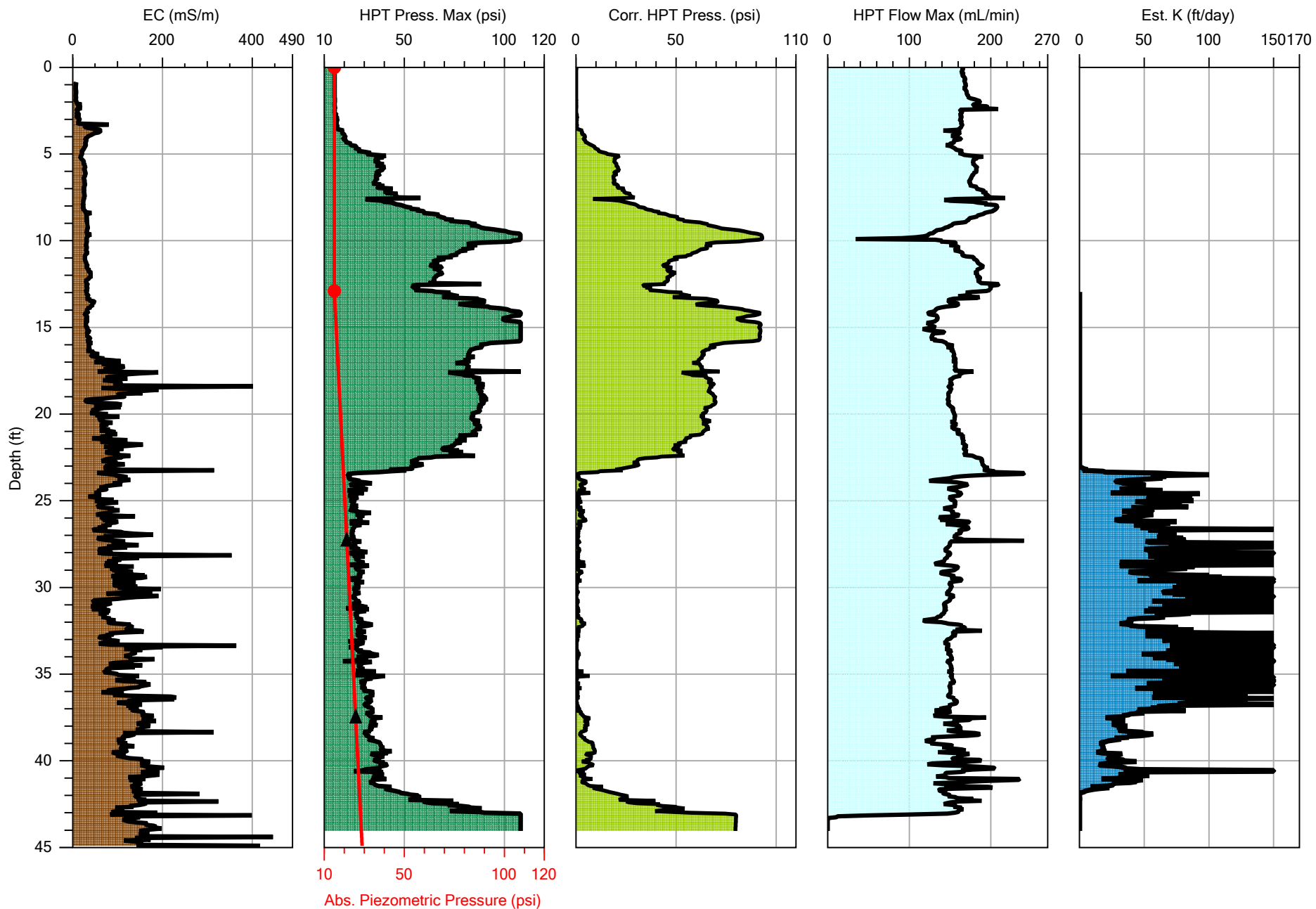
Company:	Stock Drilling Inc.	Operator:	Ben L	File:	SB 1601 HPT.HPT
Project ID:	RACER Kokomo	Client:	Arcadis	Date:	10/31/2016
				Location:	40° 30' 11" N, 86° 8' 2" W



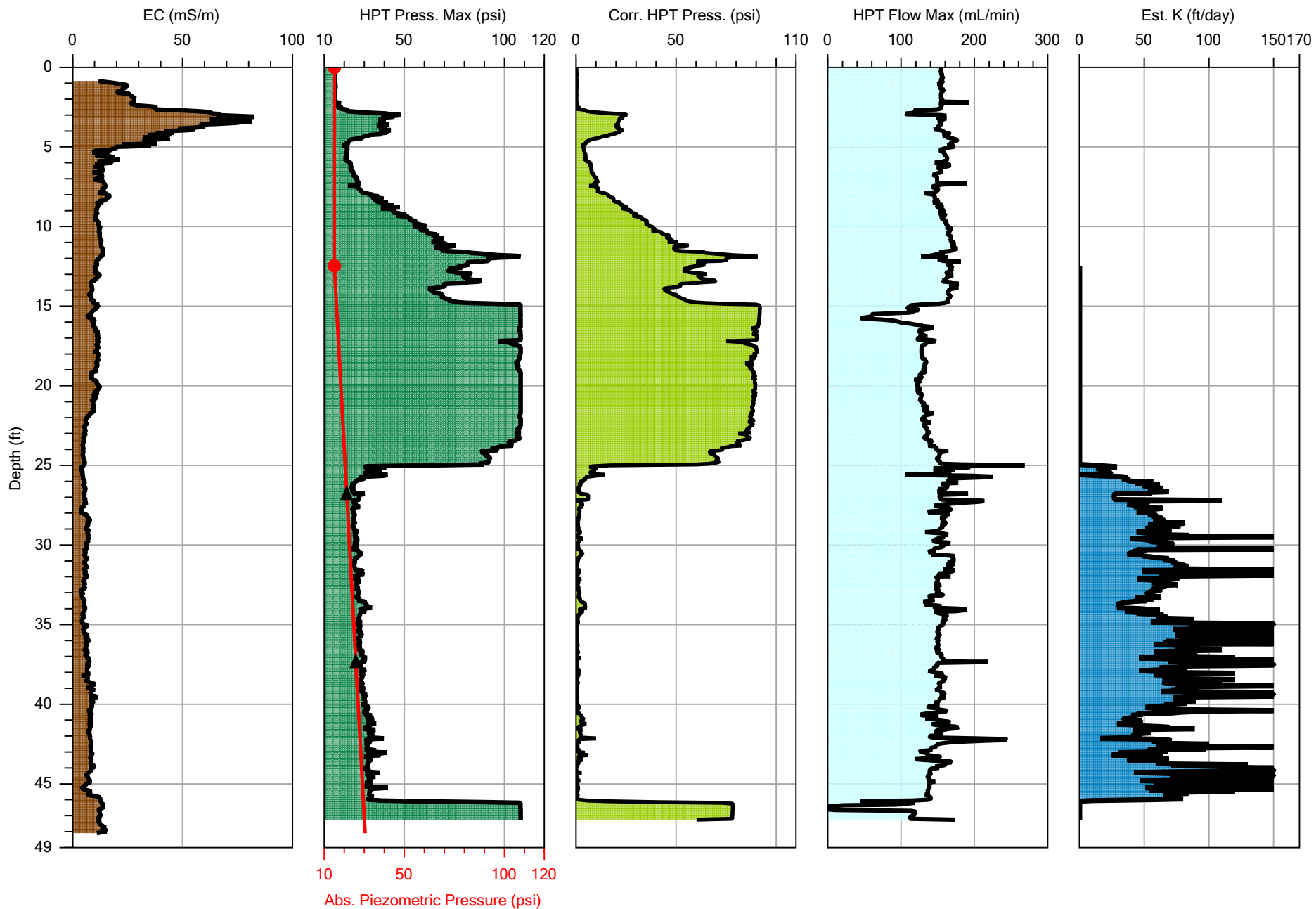
Company:	Stock Drilling Inc.	Operator:	Ben L	File:	SB 1602.HPT
Project ID:	RACER Kokomo	Client:	Arcadis	Date:	10/31/2016
				Location:	40° 30' 10" N, 86° 8' 2" W



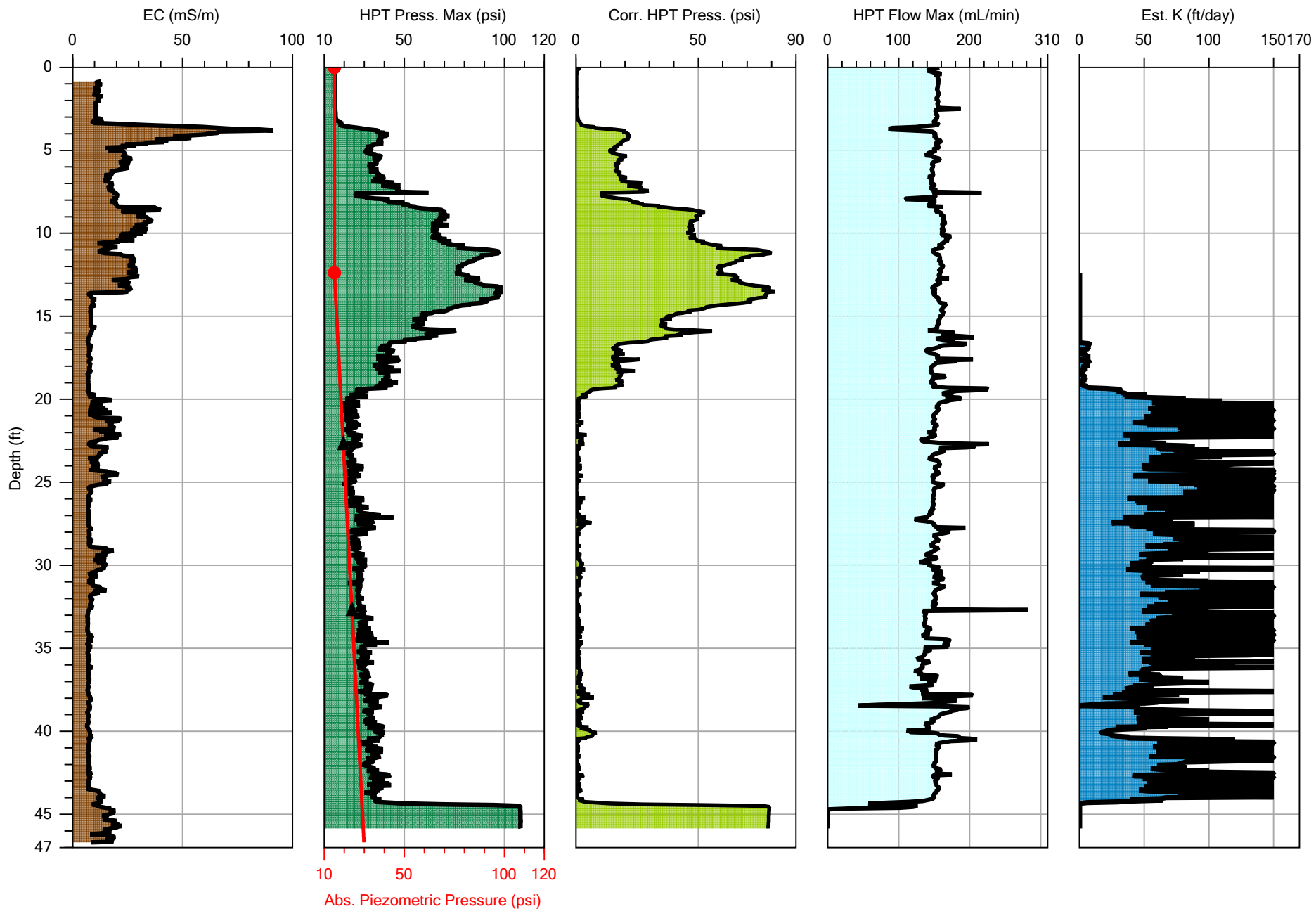
Company:	Stock Drilling Inc.	Operator:	Ben L	File:	SB 1603.HPT
Project ID:	RACER Kokomo	Client:	Arcadis	Date:	10/31/2016
				Location:	40° 30' 10" N, 86° 8' 2" W



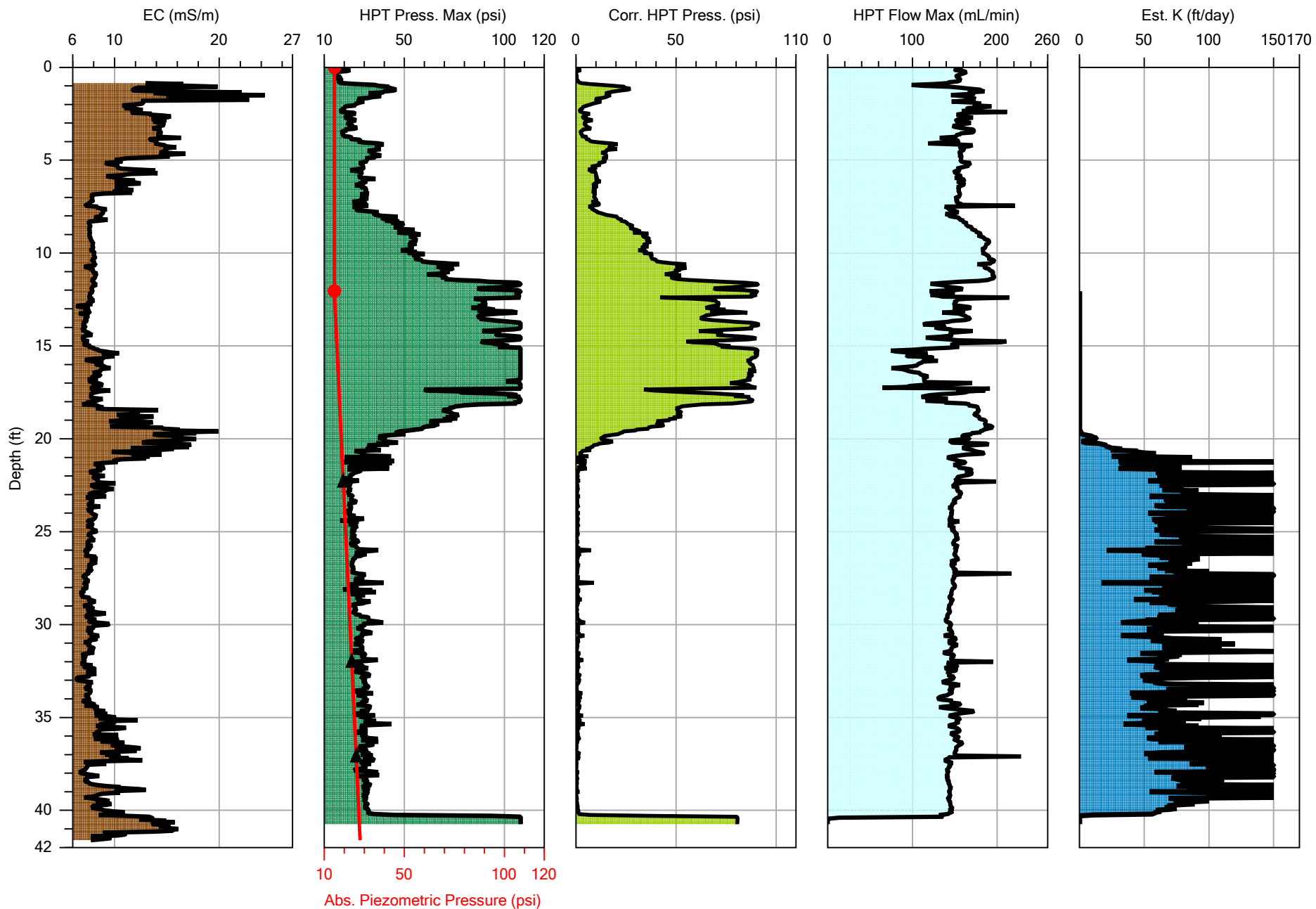
		File:
		SB 1604.HPT
Company:	Operator:	Date:
Stock Drilling Inc.	Ben L	11/2/2016
Project ID:	Client:	Location:
RACER Kokomo	Arcadis	40° 30' 9" N, 86° 8' 2" W



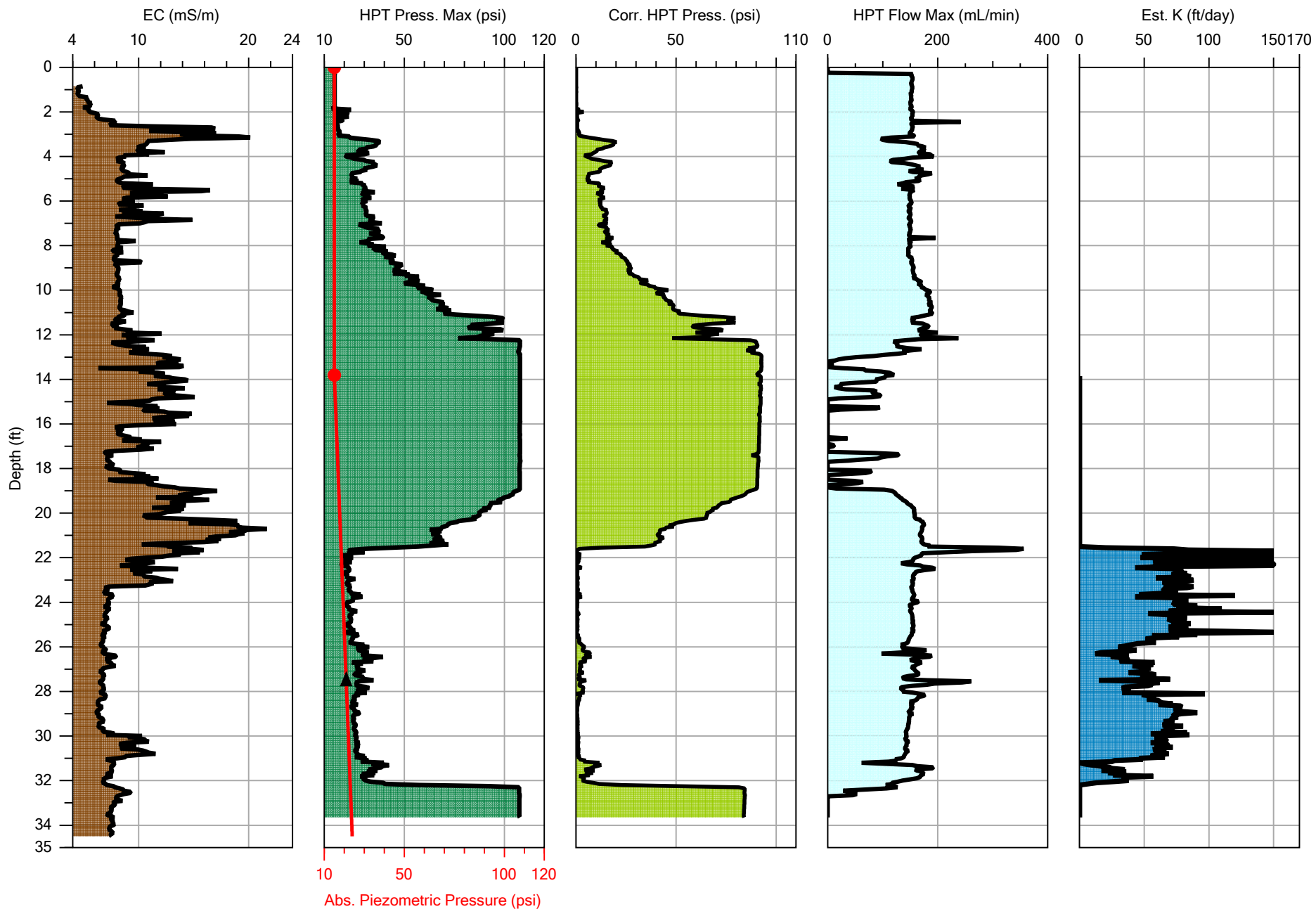
Company:	Stock Drilling Inc.	Operator:	Ben L	File:	SB 1605.HPT
Project ID:	RACER Kokomo	Client:	Arcadis	Date:	11/2/2016
				Location:	40° 30' 9" N, 86° 8' 2" W



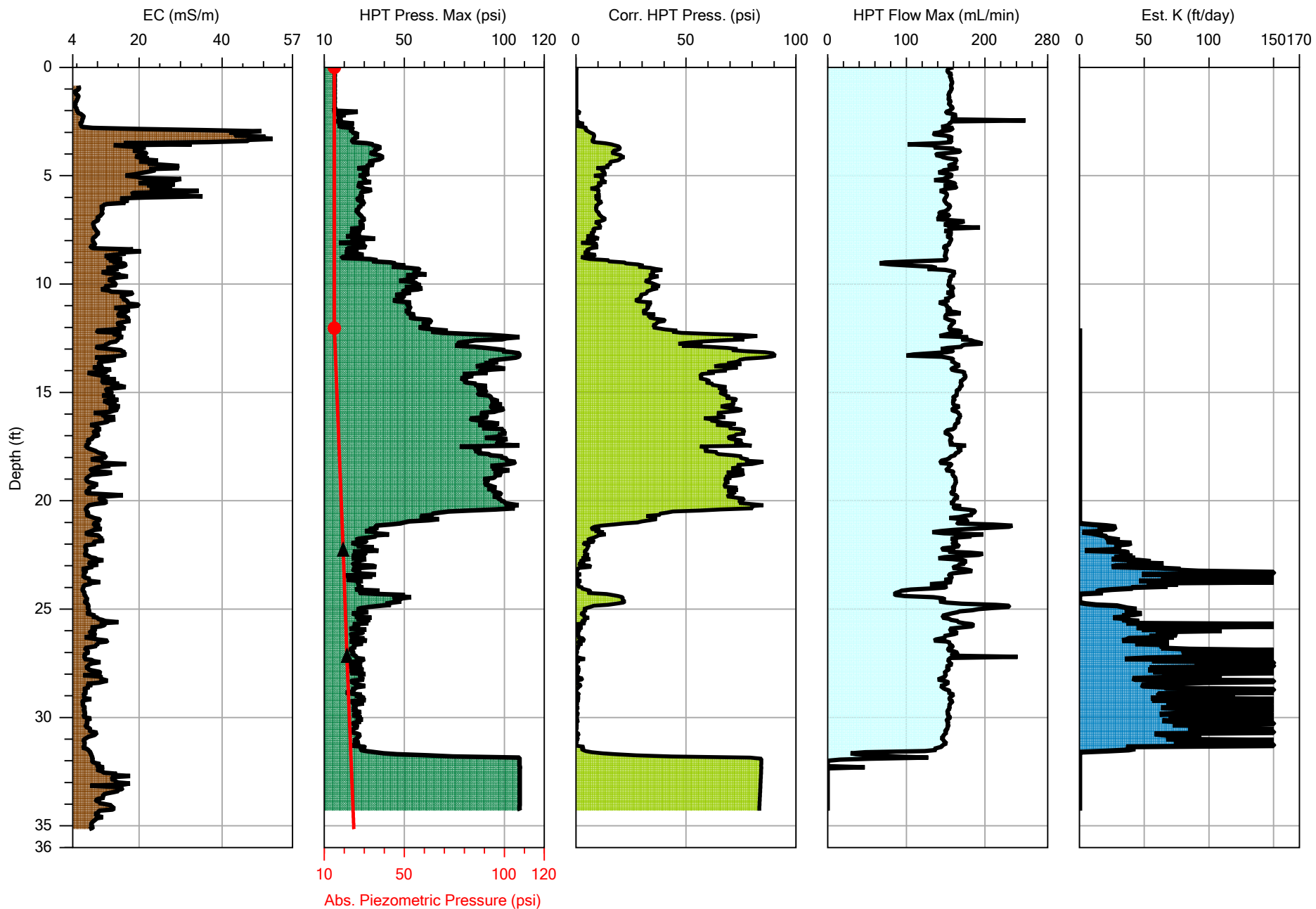
Company:	Stock Drilling Inc.	Operator:	Ben L	File:	SB 1606.HPT
Project ID:	RACER Kokomo	Client:	Arcadis	Date:	11/2/2016
				Location:	40° 30' 8" N, 86° 8' 2" W



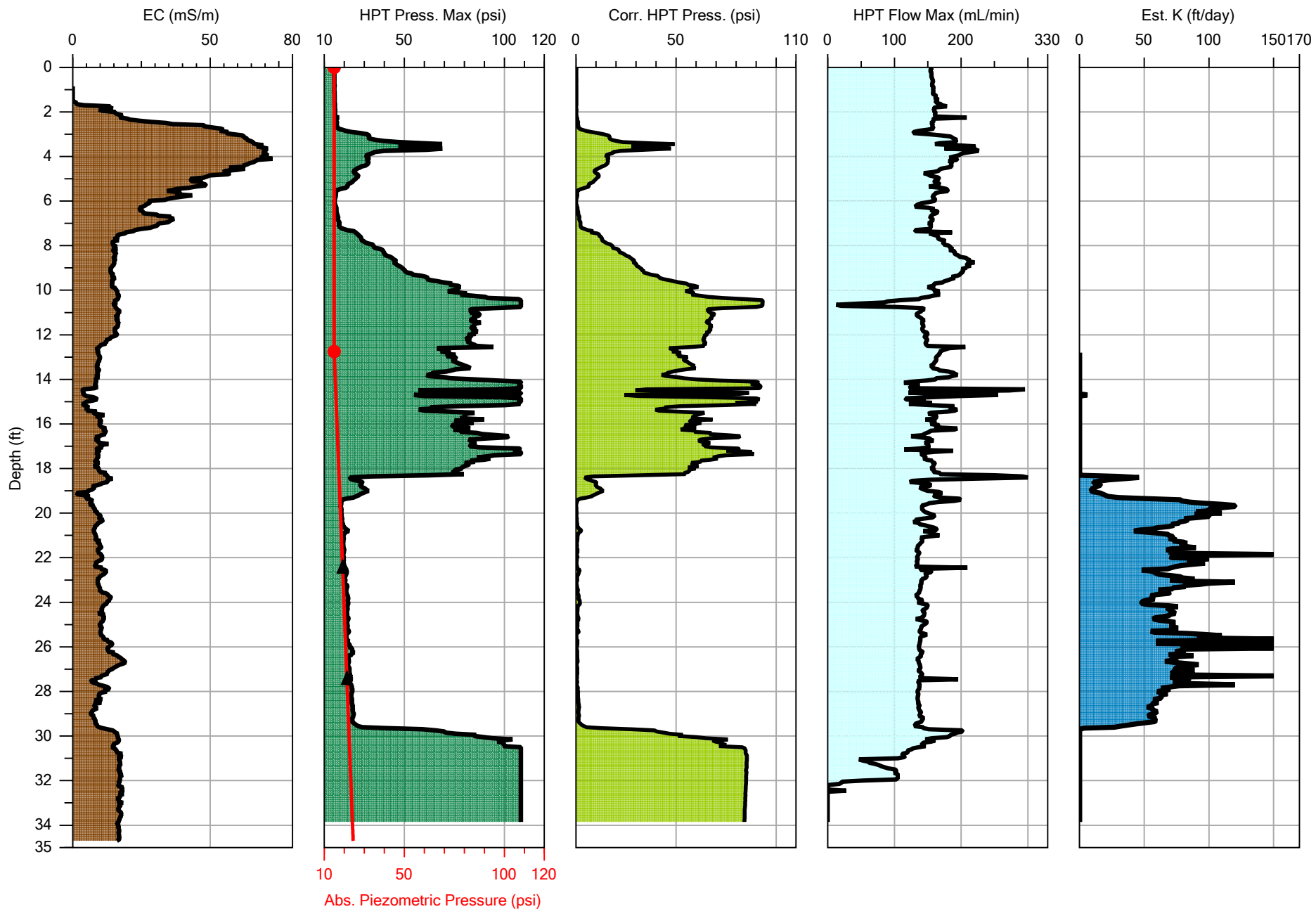
Company:	Stock Drilling Inc.	Operator:	Ben L	File:	SB 1607.HPT
Project ID:	RACER Kokomo	Client:	Arcadis	Date:	11/2/2016
				Location:	40° 30' 8" N, 86° 30' 8" W



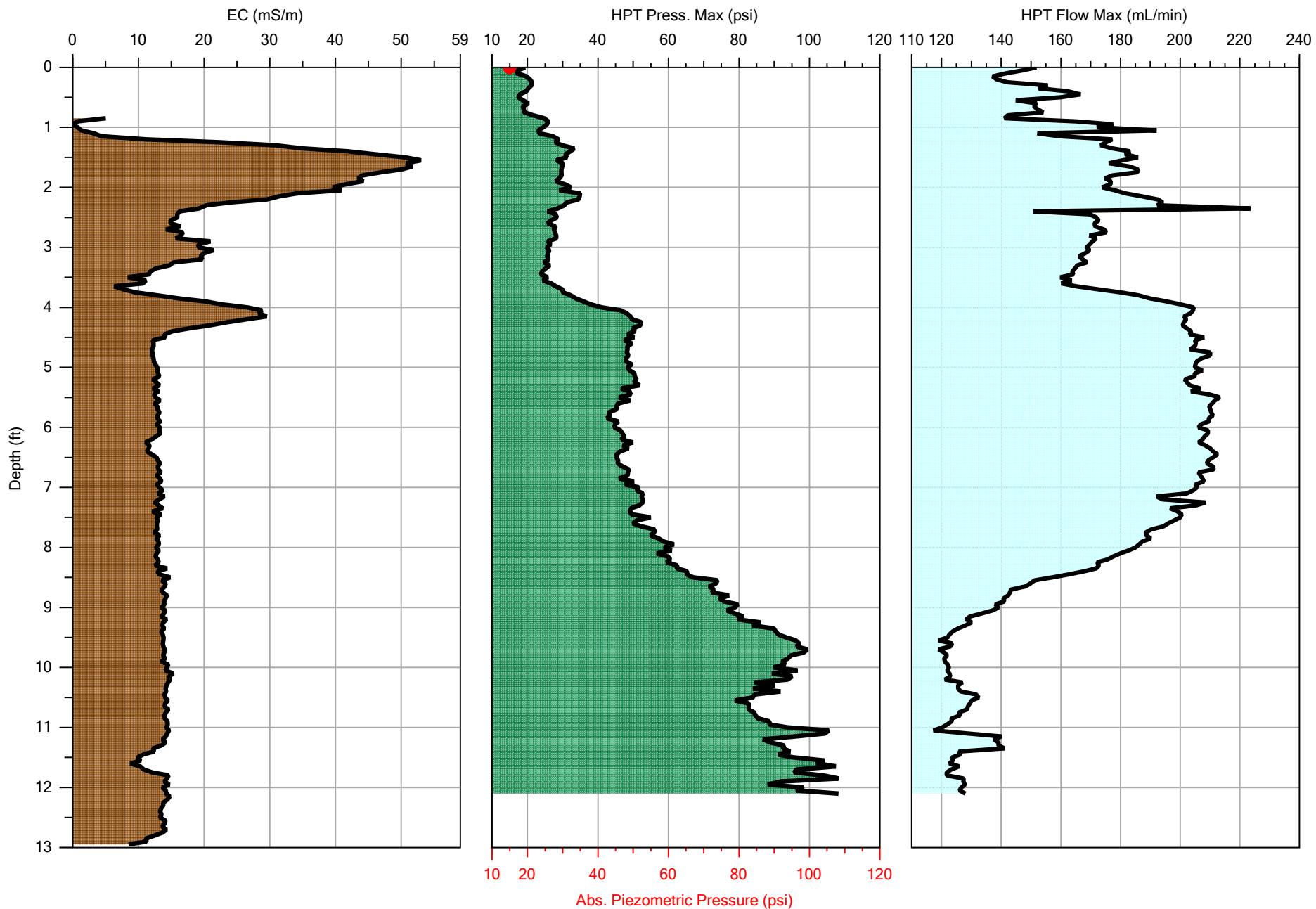
Company:	Stock Drilling Inc.	Operator:	Ben L	File:	SB 1608.HPT
Project ID:	RACER Kokomo	Client:	Arcadis	Date:	11/2/2016
				Location:	40° 30' 8" N, 86° 8' 2" W



Company:	Stock Drilling Inc.	Operator:	Ben L	File:	SB 1609.HPT
Project ID:	RACER Kokomo	Client:	Arcadis	Date:	11/2/2016
				Location:	40° 30' 7" N, 86° 8' 2" W



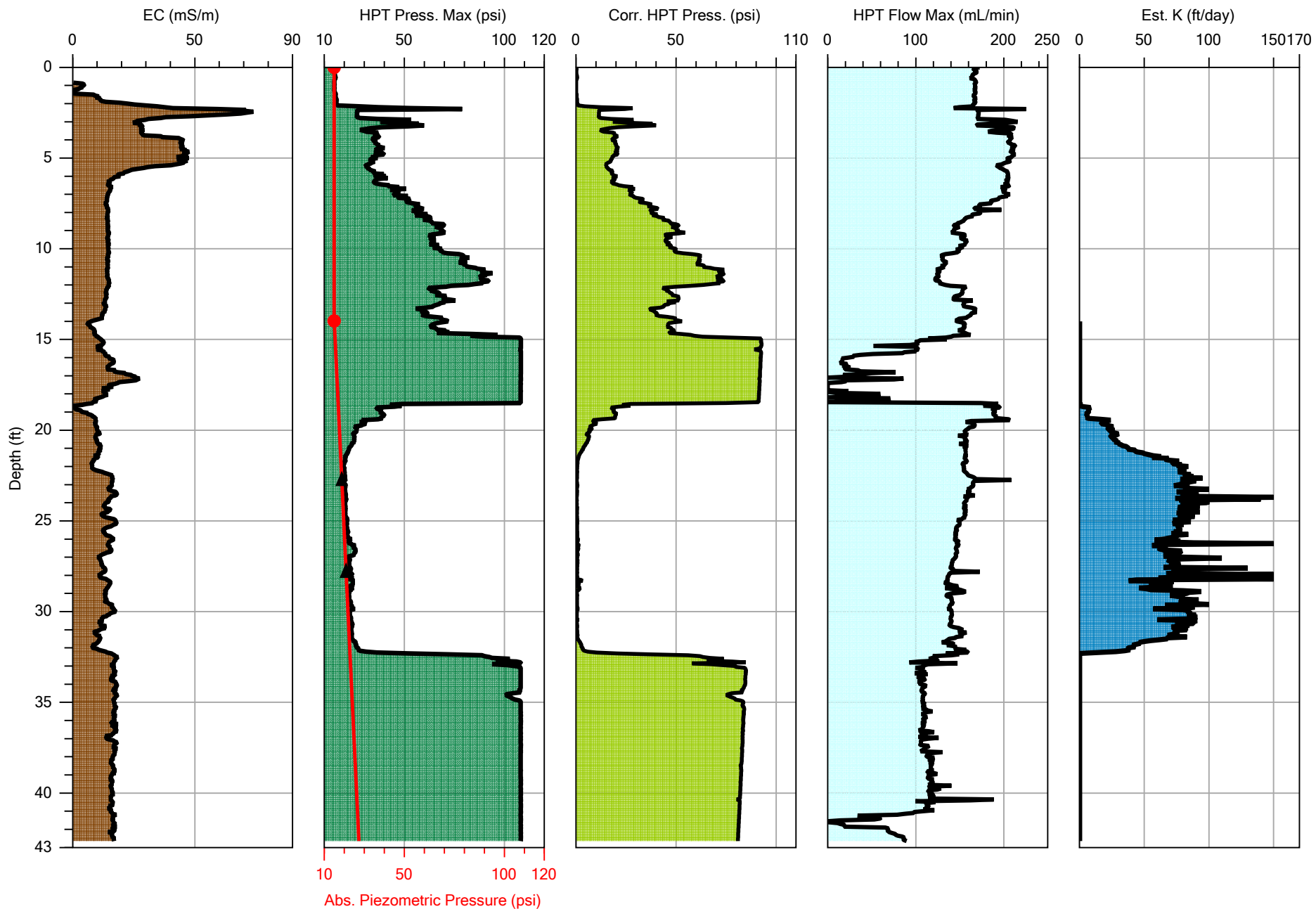
		File:
		SB 1610.HPT
Company:	Operator:	Date:
Stock Drilling Inc.	Ben L	11/8/2016
Project ID:	Client:	Location:
RACER Kokomo	Arcadis	40° 30' 7" N, 86° 8' 2" W



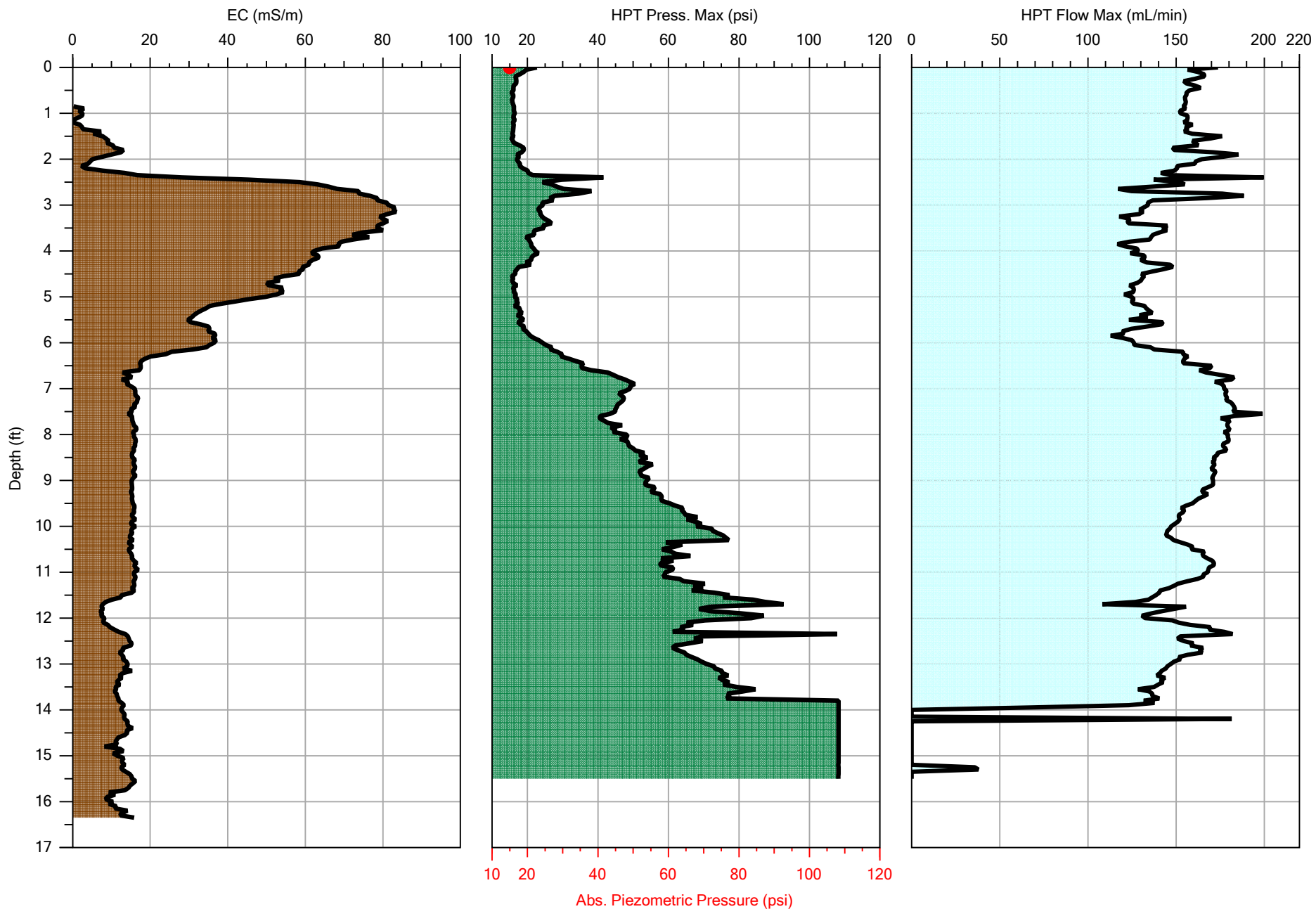
Abs. Piezometric Pressure (psi)



Company:	Stock Drilling Inc.	Operator:	Ben L	File:	SB 1611.HPT
Project ID:	RACER Kokomo	Client:	Arcadis	Date:	11/8/2016
				Location:	40° 30' 6" N, 86° 8' 3" W



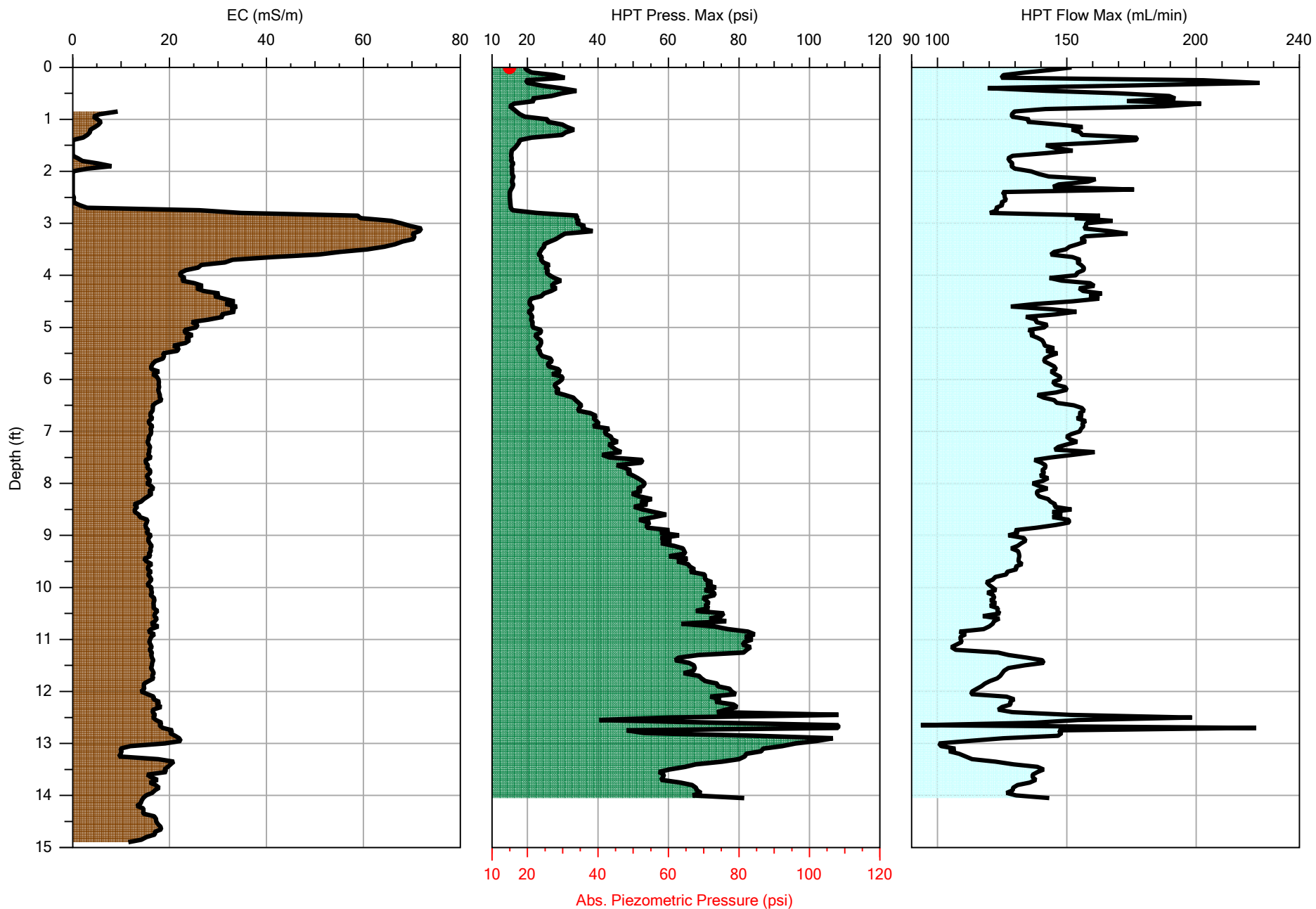
		File:
		SB 1612.HPT
Company:	Operator:	Date:
Stock Drilling Inc.	Ben L	11/8/2016
Project ID:	Client:	Location:
RACER Kokomo	Arcadis	40° 30' 6" N, 86° 8' 3" W



Abs. Piezometric Pressure (psi)



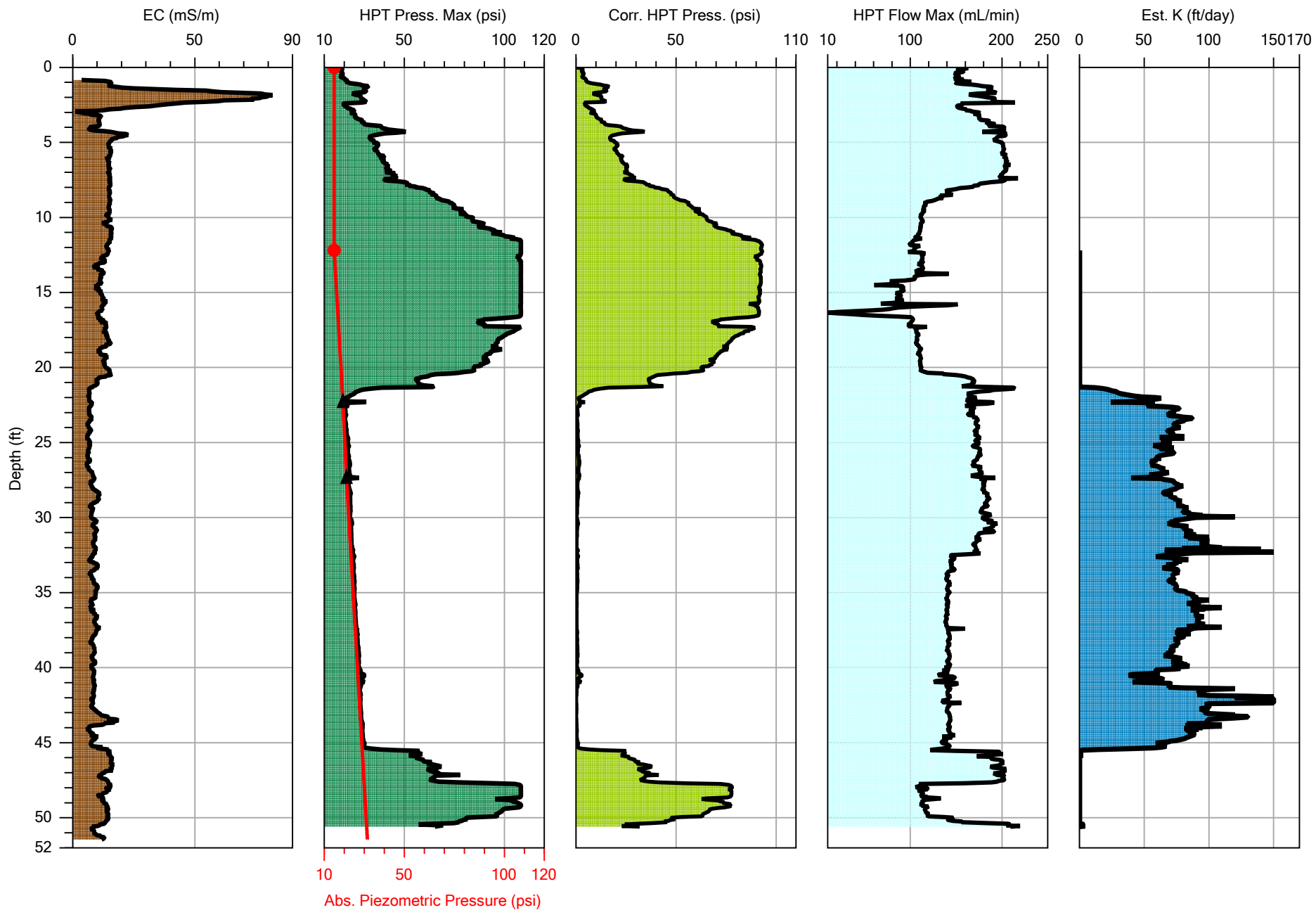
Company:		Stock Drilling Inc.	Operator:	Ben L	File:	SB 1613.HPT
Project ID:		RACER Kokomo	Client:	Arcadis	Date:	11/8/2016
					Location:	40° 30' 5" N, 86° 8' 3" W



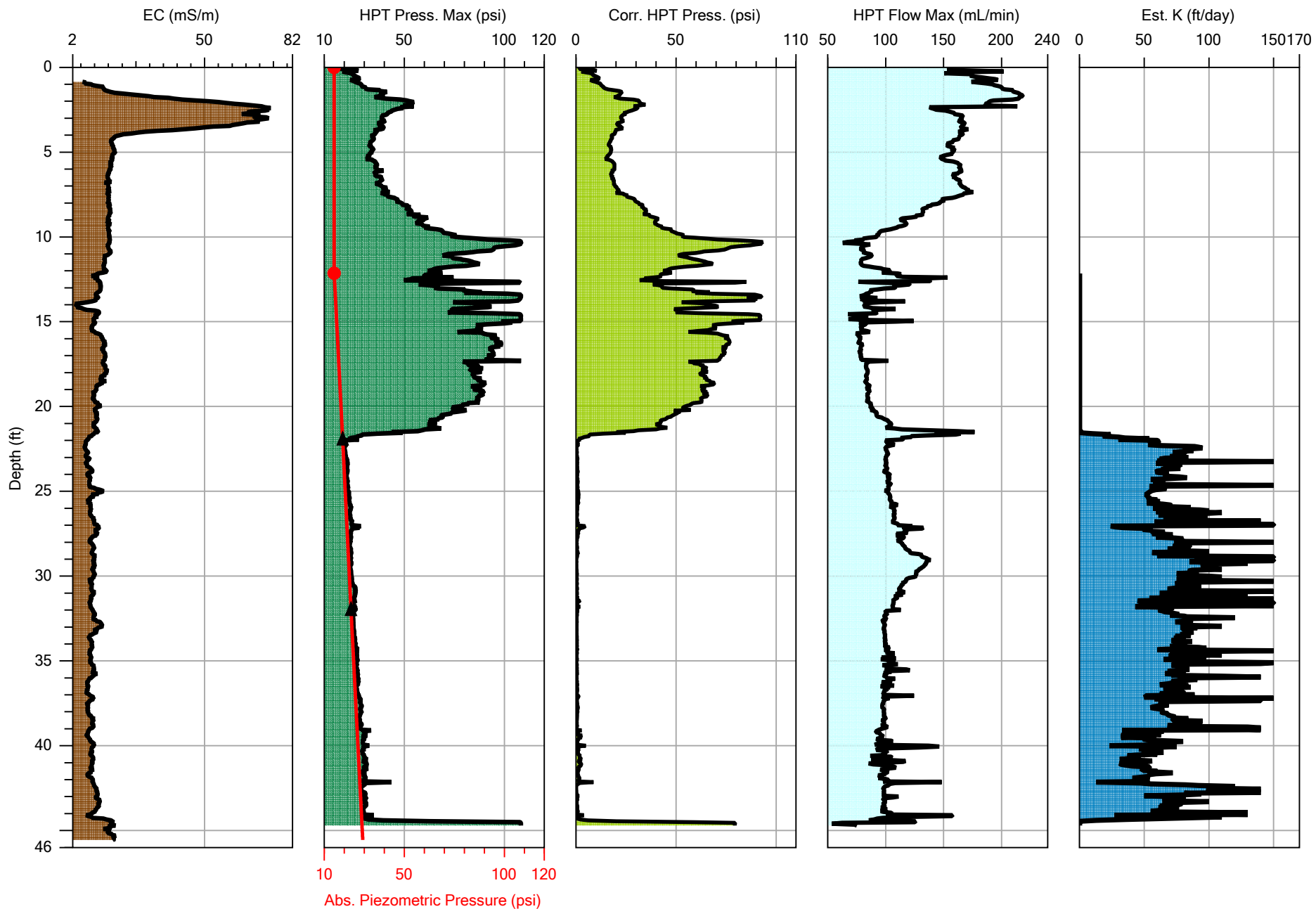
Abs. Piezometric Pressure (psi)



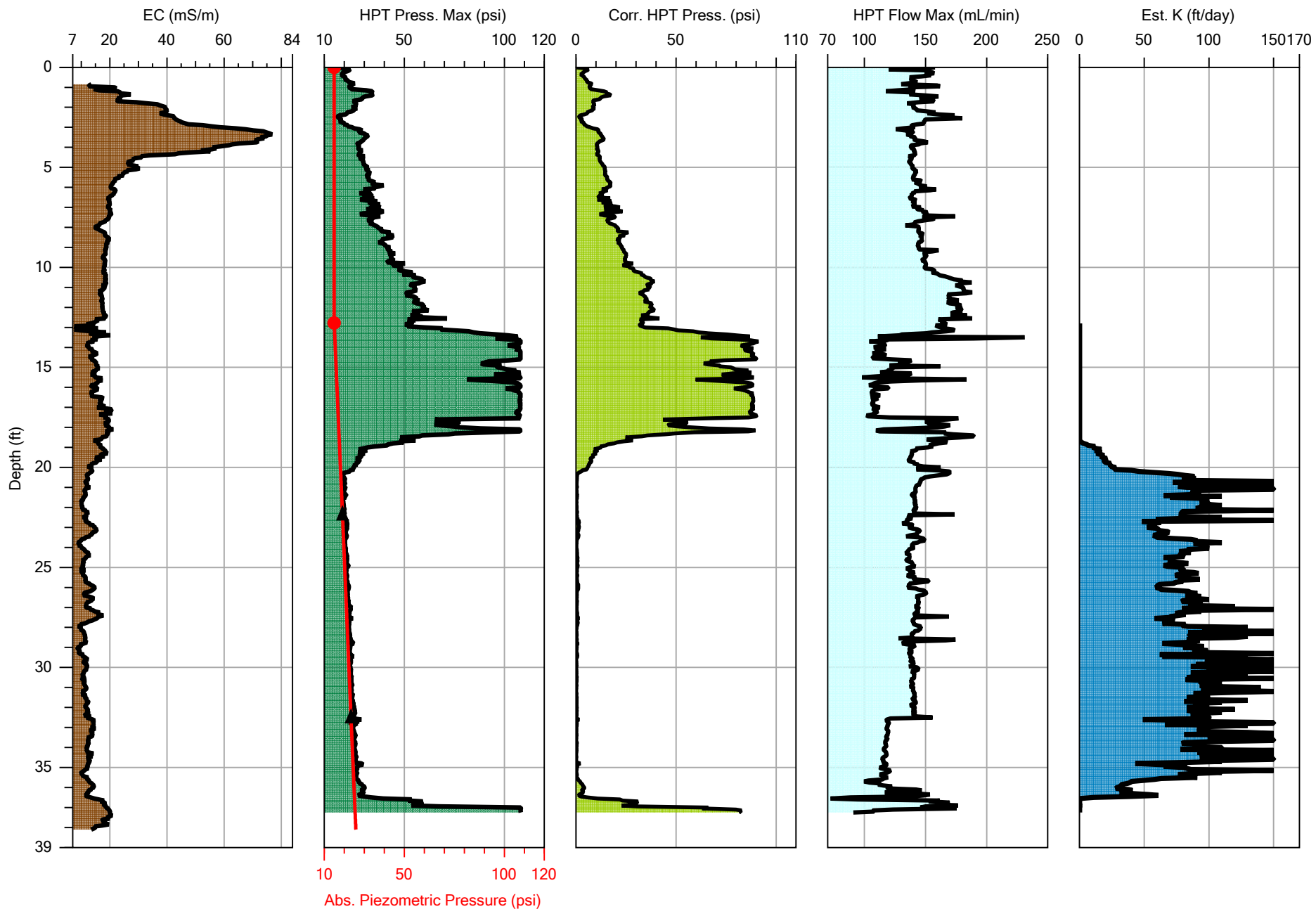
Company:		Stock Drilling Inc.	Operator:	Ben L	File:	SB 1614.HPT
Project ID:		RACER Kokomo	Client:	Arcadis	Date:	11/8/2016
					Location:	40° 30' 6" N, 86° 8' 4" W



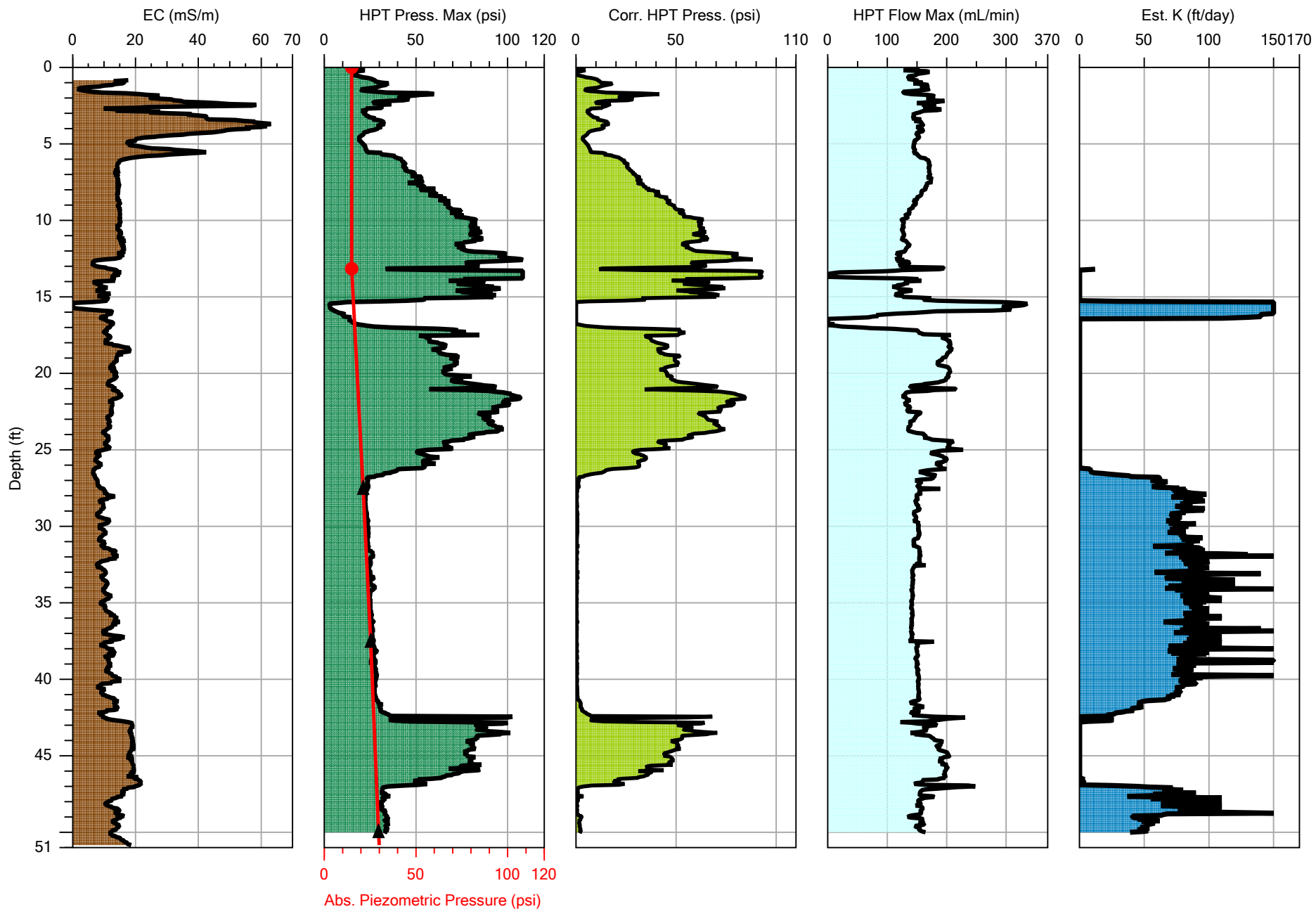
Company:	Stock Drilling Inc.	Operator:	Ben L	File:	SB 1615.HPT
Project ID:	RACER Kokomo	Client:	Arcadis	Date:	11/8/2016
				Location:	40° 30' 6" N, 86° 8' 4" W



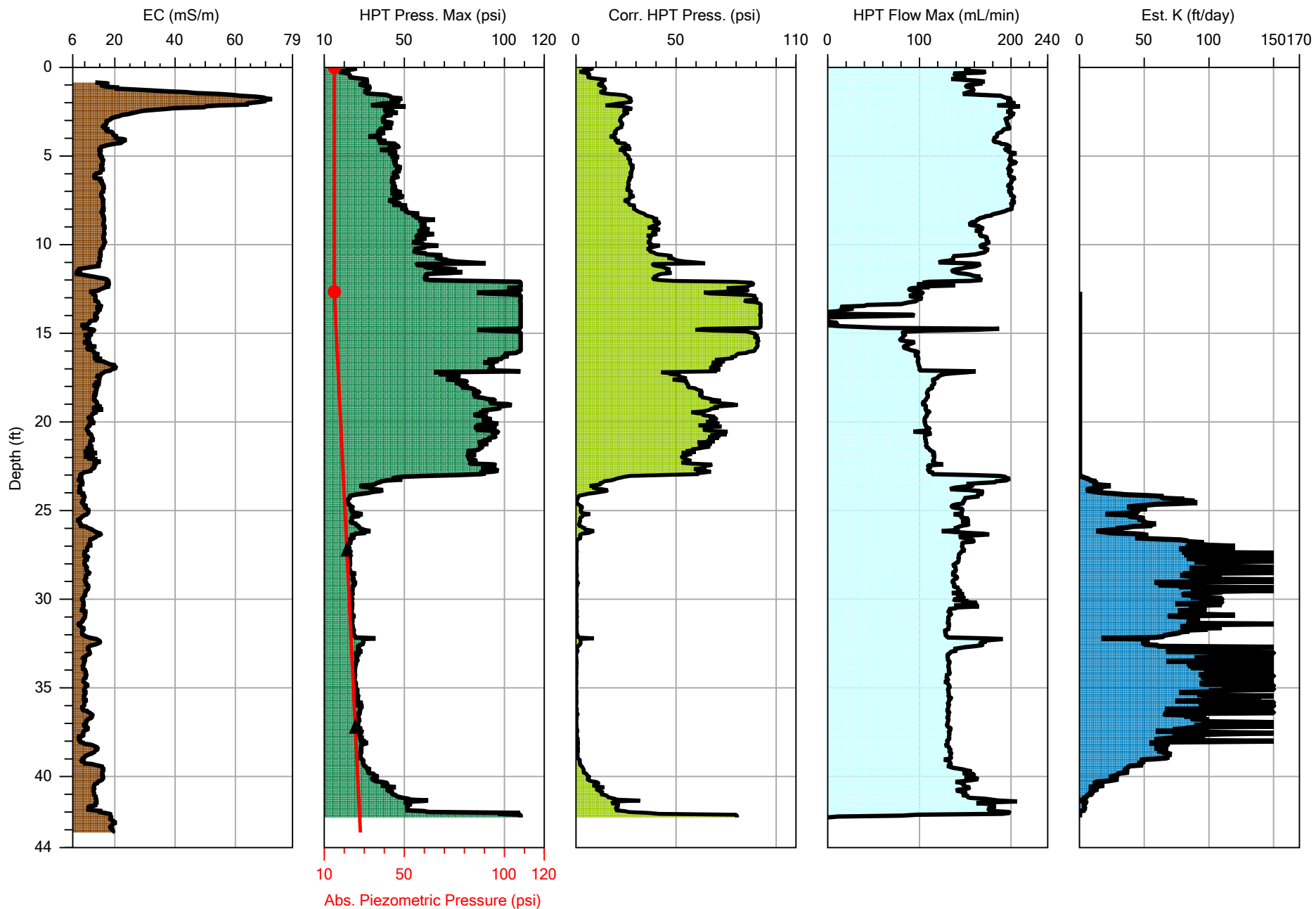
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Company:	Operator:	Date:
Stock Drilling Inc.	Ben L	11/10/2016
Project ID:	Client:	Location:
RACER Kokomo	Arcadis	40° 30' 9" N, 86° 8' 2" W



Company:	Stock Drilling Inc.	Operator:	Ben L	File:	SB 1617.HPT
Project ID:	RACER Kokomo	Client:	Arcadis	Date:	11/10/2016
				Location:	40° 30' 11" N, 86° 8' 2" W



Company:		Operator:		File:
Stock Drilling Inc.		Ben L		SB 1618.HPT
Project ID:		Client:		Date:
RACER Kokomo		Arcadis		11/10/2016
				Location:
				40° 30' 10" N, 86° 8' 2" W



		File:
		SB 1619.HPT
Company:	Operator:	Date:
Stock Drilling Inc.	Ben L	11/10/2016
Project ID:	Client:	Location:
RACER Kokomo	Arcadis	40° 30' 10" N, 86° 8' 2" W

APPENDIX B

SB-1601 Boring Log



Date Start/Finish: 11/15/16 Drilling Company: Stock Drilling LLC Driller's Name: Ernest Phylar Drilling Method: Direct Push Sampling Method: Dual Tube Rig Type: Geoprobe	Borehole Depth: 30.0 ft bgs Descriptions By: Luke Martin	Well/Boring ID: SB-1601 Client: RACER Trust (Former Delco Plant 5) Location: Kokomo, Indiana

DEPTH	Sample ID	Recovery (ft)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction

0	0				0.0 - 0.9' Topsoil: SILT and SAND, some clay, trace gravel (granules), brown, organics	
-1	-1				0.9 - 2.2' SILT, some clay, some sand, trace gravel (granules), low plasticity, slow dilatancy, dry, brown	
-2	-2	0-5	HA	NM	2.2 - 4.8' CLAY and SILT, little sand (fine-med), trace gravel (granules), medium plasticity, no dilatancy, dry - slightly moist, yellowish brown	
-3	-3				4.8 - 5.1' SAND (fine-med), loose, moist, yellowish brown	
-4	-4				5.1 - 5.9' SAND (fine) and CLAY, some silt, low plasticity, soft, rapid dilatancy, moist - wet, yellowish brown	
-5	-5				5.9 - 8.4' SILT, some clay, some sand (very fine), low - medium plasticity, medium stiff, slow dilatancy, moist - wet, yellowish brown	
-6	-6	5-10	80%	NM	8.4 - 19.9' Till: SAND (very fine - very coarse), some silt, little clay, little gravel (granule - large pebble), nonplastic, very stiff, no dilatancy, gray, dry	
-7	-7				8.4 - 11.7' Yellowish brown, stiff, smaller gravel, more silt	
-8	-8				9.3 - 9.4' SAND (coarse) and GRAVEL (small pebble - granule) lens, wet - saturated	
-9	-9	10-15	85%	NM		
-10	-10					
-11	-11					
-12	-12					
-13	-13					
-14	-14					
-15	-15					
-16	-16	15-20	100%	NM		
-17	-17					
-18	-18					
-19	-19					
-20	-20				19.9 - 20.8' SAND (medium), trace gravel (granules), trace silt, well sorted, very dense, moist, gray	
-21	-21	20-25	80%	NM	20.8 - 30.0' SAND and GRAVEL (fine - large pebble), poorly sorted, loose, wet - saturated, gray	
-22	-22				Wet @ 20.8'	
-23	-23					
-24	-24					
-25	-25					
-26	-26	25-30	40%	NM		
-27	-27					
-28	-28					
-29	-29					
-30	-30					

	Remarks: Abbreviations: ft bgs = feet below ground surface

APPENDIX C

Laboratory Reports (provided on data CD)



November 02, 2016

Jesse Wright
Arcadis U.S., Inc.
132 E. Washington Street
Suite 600
Indianapolis, IN 46204

RE: Project: Racer - Kokomo
Pace Project No.: 50157909

Dear Jesse Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on November 01, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tina Sayer for
Kelly Jones
kelly.jones@pacelabs.com
Project Manager

Enclosures

cc: Ms. Sarah Fisher, Arcadis
Mr. Luke Martin, Arcadis



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Racer - Kokomo

Pace Project No.: 50157909

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas/NELAP Certification #:E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #:98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Racer - Kokomo

Pace Project No.: 50157909

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50157909001	TB-01 (110116)	Water	11/01/16 08:00	11/01/16 17:38
50157909002	SB-1601 (34-37)	Water	11/01/16 12:05	11/01/16 17:38
50157909003	SB-1601 (31-34)	Water	11/01/16 12:38	11/01/16 17:38
50157909004	SB-1601 (28-31)	Water	11/01/16 12:58	11/01/16 17:38
50157909005	SB-1601 (25-28)	Water	11/01/16 13:15	11/01/16 17:38
50157909006	SB-1601 (21-24)	Water	11/01/16 13:48	11/01/16 17:38
50157909007	SB-1602 (34-37)	Water	11/01/16 14:45	11/01/16 17:38
50157909008	SB-1602 (31-34)	Water	11/01/16 15:10	11/01/16 17:38
50157909009	SB-1602 (28-31)	Water	11/01/16 15:35	11/01/16 17:38
50157909010	SB-1602 (25-28)	Water	11/01/16 16:05	11/01/16 17:38

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Racer - Kokomo

Pace Project No.: 50157909

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50157909001	TB-01 (110116)	EPA 8260	DAE	51
50157909002	SB-1601 (34-37)	EPA 8260	DAE	51
50157909003	SB-1601 (31-34)	EPA 8260	DAE	51
50157909004	SB-1601 (28-31)	EPA 8260	DAE	51
50157909005	SB-1601 (25-28)	EPA 8260	DAE	51
50157909006	SB-1601 (21-24)	EPA 8260	DAE	51
50157909007	SB-1602 (34-37)	EPA 8260	DAE	51
50157909008	SB-1602 (31-34)	EPA 8260	DAE	51
50157909009	SB-1602 (28-31)	EPA 8260	DAE	51
50157909010	SB-1602 (25-28)	EPA 8260	DAE	51

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Racer - Kokomo

Pace Project No.: 50157909

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50157909002	SB-1601 (34-37)					
EPA 8260	Toluene	0.66J	ug/L	5.0	11/01/16 17:43	
50157909004	SB-1601 (28-31)					
EPA 8260	cis-1,2-Dichloroethene	3.1J	ug/L	5.0	11/01/16 18:49	
50157909005	SB-1601 (25-28)					
EPA 8260	cis-1,2-Dichloroethene	6.5	ug/L	5.0	11/01/16 19:21	
50157909006	SB-1601 (21-24)					
EPA 8260	cis-1,2-Dichloroethene	16.5	ug/L	5.0	11/01/16 17:59	
EPA 8260	trans-1,2-Dichloroethene	1.5J	ug/L	5.0	11/01/16 17:59	
50157909007	SB-1602 (34-37)					
EPA 8260	Cyclohexane	1.5J	ug/L	100	11/01/16 18:32	N2
EPA 8260	cis-1,2-Dichloroethene	95.1	ug/L	5.0	11/01/16 18:32	
EPA 8260	trans-1,2-Dichloroethene	2.0J	ug/L	5.0	11/01/16 18:32	
EPA 8260	Toluene	0.46J	ug/L	5.0	11/01/16 18:32	
EPA 8260	Trichloroethene	8.7	ug/L	5.0	11/01/16 18:32	
EPA 8260	Vinyl chloride	5.3	ug/L	2.0	11/01/16 18:32	
50157909008	SB-1602 (31-34)					
EPA 8260	cis-1,2-Dichloroethene	5.3	ug/L	5.0	11/01/16 19:05	
50157909009	SB-1602 (28-31)					
EPA 8260	Cyclohexane	1.0J	ug/L	100	11/01/16 19:38	N2
EPA 8260	cis-1,2-Dichloroethene	88.9	ug/L	5.0	11/01/16 19:38	
EPA 8260	trans-1,2-Dichloroethene	2.5J	ug/L	5.0	11/01/16 19:38	
EPA 8260	Trichloroethene	6.1	ug/L	5.0	11/01/16 19:38	
EPA 8260	Vinyl chloride	2.7	ug/L	2.0	11/01/16 19:38	
50157909010	SB-1602 (25-28)					
EPA 8260	cis-1,2-Dichloroethene	298	ug/L	5.0	11/01/16 20:11	
EPA 8260	trans-1,2-Dichloroethene	8.3	ug/L	5.0	11/01/16 20:11	
EPA 8260	Trichloroethene	70.6	ug/L	5.0	11/01/16 20:11	
EPA 8260	Vinyl chloride	2.9	ug/L	2.0	11/01/16 20:11	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: TB-01 (110116)		Lab ID: 50157909001	Collected: 11/01/16 08:00	Received: 11/01/16 17:38	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/01/16 19:54	67-64-1	
Benzene	ND	ug/L	5.0	1		11/01/16 19:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/01/16 19:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/01/16 19:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/01/16 19:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/01/16 19:54	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/01/16 19:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/01/16 19:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/01/16 19:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/01/16 19:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/01/16 19:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/01/16 19:54	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/01/16 19:54	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/01/16 19:54	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/01/16 19:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/01/16 19:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/01/16 19:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/01/16 19:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/01/16 19:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/01/16 19:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/01/16 19:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/01/16 19:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/01/16 19:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 19:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 19:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/01/16 19:54	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/01/16 19:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/01/16 19:54	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/01/16 19:54	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/01/16 19:54	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/01/16 19:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/01/16 19:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/01/16 19:54	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/01/16 19:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/01/16 19:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/01/16 19:54	127-18-4	
Toluene	ND	ug/L	5.0	1		11/01/16 19:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/01/16 19:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/01/16 19:54	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/01/16 19:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/01/16 19:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/01/16 19:54	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/01/16 19:54	75-01-4	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: TB-01 (110116)		Lab ID: 50157909001		Collected: 11/01/16 08:00		Received: 11/01/16 17:38		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/01/16 19:54	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		98	%.	84-118	1		11/01/16 19:54	1868-53-7	
4-Bromofluorobenzene (S)		91	%.	79-116	1		11/01/16 19:54	460-00-4	
Toluene-d8 (S)		102	%.	86-110	1		11/01/16 19:54	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1601 (34-37)		Lab ID: 50157909002	Collected: 11/01/16 12:05	Received: 11/01/16 17:38	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/01/16 17:43	67-64-1	
Benzene	ND	ug/L	5.0	1		11/01/16 17:43	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/01/16 17:43	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/01/16 17:43	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/01/16 17:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/01/16 17:43	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/01/16 17:43	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/01/16 17:43	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/01/16 17:43	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/01/16 17:43	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/01/16 17:43	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/01/16 17:43	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/01/16 17:43	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/01/16 17:43	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/01/16 17:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/01/16 17:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 17:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 17:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 17:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/01/16 17:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/01/16 17:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/01/16 17:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/01/16 17:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/01/16 17:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/01/16 17:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/01/16 17:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 17:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 17:43	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/01/16 17:43	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/01/16 17:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/01/16 17:43	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/01/16 17:43	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/01/16 17:43	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/01/16 17:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/01/16 17:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/01/16 17:43	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/01/16 17:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/01/16 17:43	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/01/16 17:43	127-18-4	
Toluene	0.66J	ug/L	5.0	1		11/01/16 17:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/01/16 17:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/01/16 17:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/01/16 17:43	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/01/16 17:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/01/16 17:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/01/16 17:43	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/01/16 17:43	75-01-4	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1601 (34-37)		Lab ID: 50157909002		Collected: 11/01/16 12:05		Received: 11/01/16 17:38		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/01/16 17:43	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		107	%.	84-118	1		11/01/16 17:43	1868-53-7	
4-Bromofluorobenzene (S)		96	%.	79-116	1		11/01/16 17:43	460-00-4	
Toluene-d8 (S)		97	%.	86-110	1		11/01/16 17:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1601 (31-34)		Lab ID: 50157909003	Collected: 11/01/16 12:38	Received: 11/01/16 17:38	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/01/16 18:16	67-64-1	
Benzene	ND	ug/L	5.0	1		11/01/16 18:16	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/01/16 18:16	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/01/16 18:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/01/16 18:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/01/16 18:16	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/01/16 18:16	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/01/16 18:16	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/01/16 18:16	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/01/16 18:16	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/01/16 18:16	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/01/16 18:16	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/01/16 18:16	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/01/16 18:16	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/01/16 18:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/01/16 18:16	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 18:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 18:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 18:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/01/16 18:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/01/16 18:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/01/16 18:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/01/16 18:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/01/16 18:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/01/16 18:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/01/16 18:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 18:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 18:16	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/01/16 18:16	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/01/16 18:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/01/16 18:16	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/01/16 18:16	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/01/16 18:16	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/01/16 18:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/01/16 18:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/01/16 18:16	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/01/16 18:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/01/16 18:16	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/01/16 18:16	127-18-4	
Toluene	ND	ug/L	5.0	1		11/01/16 18:16	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/01/16 18:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/01/16 18:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/01/16 18:16	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/01/16 18:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/01/16 18:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/01/16 18:16	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/01/16 18:16	75-01-4	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1601 (31-34)		Lab ID: 50157909003		Collected: 11/01/16 12:38		Received: 11/01/16 17:38		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/01/16 18:16	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	1		11/01/16 18:16	1868-53-7	
4-Bromofluorobenzene (S)		93	%.	79-116	1		11/01/16 18:16	460-00-4	
Toluene-d8 (S)		100	%.	86-110	1		11/01/16 18:16	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1601 (28-31)		Lab ID: 50157909004	Collected: 11/01/16 12:58	Received: 11/01/16 17:38	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/01/16 18:49	67-64-1	
Benzene	ND	ug/L	5.0	1		11/01/16 18:49	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/01/16 18:49	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/01/16 18:49	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/01/16 18:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/01/16 18:49	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/01/16 18:49	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/01/16 18:49	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/01/16 18:49	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/01/16 18:49	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/01/16 18:49	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/01/16 18:49	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/01/16 18:49	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/01/16 18:49	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/01/16 18:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/01/16 18:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 18:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 18:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 18:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/01/16 18:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/01/16 18:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/01/16 18:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/01/16 18:49	75-35-4	
cis-1,2-Dichloroethene	3.1J	ug/L	5.0	1		11/01/16 18:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/01/16 18:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/01/16 18:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 18:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 18:49	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/01/16 18:49	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/01/16 18:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/01/16 18:49	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/01/16 18:49	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/01/16 18:49	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/01/16 18:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/01/16 18:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/01/16 18:49	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/01/16 18:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/01/16 18:49	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/01/16 18:49	127-18-4	
Toluene	ND	ug/L	5.0	1		11/01/16 18:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/01/16 18:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/01/16 18:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/01/16 18:49	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/01/16 18:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/01/16 18:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/01/16 18:49	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/01/16 18:49	75-01-4	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1601 (28-31)		Lab ID: 50157909004		Collected: 11/01/16 12:58		Received: 11/01/16 17:38		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/01/16 18:49	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	1		11/01/16 18:49	1868-53-7	
4-Bromofluorobenzene (S)		92	%.	79-116	1		11/01/16 18:49	460-00-4	
Toluene-d8 (S)		101	%.	86-110	1		11/01/16 18:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1601 (25-28)		Lab ID: 50157909005	Collected: 11/01/16 13:15	Received: 11/01/16 17:38	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/01/16 19:21	67-64-1	
Benzene	ND	ug/L	5.0	1		11/01/16 19:21	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/01/16 19:21	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/01/16 19:21	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/01/16 19:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/01/16 19:21	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/01/16 19:21	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/01/16 19:21	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/01/16 19:21	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/01/16 19:21	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/01/16 19:21	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/01/16 19:21	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/01/16 19:21	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/01/16 19:21	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/01/16 19:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/01/16 19:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/01/16 19:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/01/16 19:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/01/16 19:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/01/16 19:21	75-35-4	
cis-1,2-Dichloroethene	6.5	ug/L	5.0	1		11/01/16 19:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/01/16 19:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/01/16 19:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 19:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 19:21	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/01/16 19:21	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/01/16 19:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/01/16 19:21	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/01/16 19:21	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/01/16 19:21	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/01/16 19:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/01/16 19:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/01/16 19:21	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/01/16 19:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/01/16 19:21	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/01/16 19:21	127-18-4	
Toluene	ND	ug/L	5.0	1		11/01/16 19:21	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/01/16 19:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/01/16 19:21	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/01/16 19:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/01/16 19:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/01/16 19:21	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/01/16 19:21	75-01-4	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1601 (25-28)		Lab ID: 50157909005		Collected: 11/01/16 13:15		Received: 11/01/16 17:38		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/01/16 19:21	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	94	%.	84-118	1		11/01/16 19:21	1868-53-7		
4-Bromofluorobenzene (S)	92	%.	79-116	1		11/01/16 19:21	460-00-4		
Toluene-d8 (S)	100	%.	86-110	1		11/01/16 19:21	2037-26-5		

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1601 (21-24)		Lab ID: 50157909006	Collected: 11/01/16 13:48	Received: 11/01/16 17:38	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/01/16 17:59	67-64-1	
Benzene	ND	ug/L	5.0	1		11/01/16 17:59	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/01/16 17:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/01/16 17:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/01/16 17:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/01/16 17:59	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/01/16 17:59	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/01/16 17:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/01/16 17:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/01/16 17:59	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/01/16 17:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/01/16 17:59	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/01/16 17:59	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/01/16 17:59	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/01/16 17:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/01/16 17:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 17:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 17:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 17:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/01/16 17:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/01/16 17:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/01/16 17:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/01/16 17:59	75-35-4	
cis-1,2-Dichloroethene	16.5	ug/L	5.0	1		11/01/16 17:59	156-59-2	
trans-1,2-Dichloroethene	1.5J	ug/L	5.0	1		11/01/16 17:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/01/16 17:59	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 17:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 17:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/01/16 17:59	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/01/16 17:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/01/16 17:59	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/01/16 17:59	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/01/16 17:59	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/01/16 17:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/01/16 17:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/01/16 17:59	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/01/16 17:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/01/16 17:59	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/01/16 17:59	127-18-4	
Toluene	ND	ug/L	5.0	1		11/01/16 17:59	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/01/16 17:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/01/16 17:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/01/16 17:59	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/01/16 17:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/01/16 17:59	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/01/16 17:59	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/01/16 17:59	75-01-4	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1601 (21-24)		Lab ID: 50157909006		Collected: 11/01/16 13:48		Received: 11/01/16 17:38		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/01/16 17:59	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	84-118	1		11/01/16 17:59	1868-53-7	
4-Bromofluorobenzene (S)		94	%.	79-116	1		11/01/16 17:59	460-00-4	
Toluene-d8 (S)		100	%.	86-110	1		11/01/16 17:59	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1602 (34-37)		Lab ID: 50157909007	Collected: 11/01/16 14:45	Received: 11/01/16 17:38	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/01/16 18:32	67-64-1	
Benzene	ND	ug/L	5.0	1		11/01/16 18:32	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/01/16 18:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/01/16 18:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/01/16 18:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/01/16 18:32	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/01/16 18:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/01/16 18:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/01/16 18:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/01/16 18:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/01/16 18:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/01/16 18:32	74-87-3	
Cyclohexane	1.5J	ug/L	100	1		11/01/16 18:32	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/01/16 18:32	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/01/16 18:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/01/16 18:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 18:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 18:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 18:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/01/16 18:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/01/16 18:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/01/16 18:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/01/16 18:32	75-35-4	
cis-1,2-Dichloroethene	95.1	ug/L	5.0	1		11/01/16 18:32	156-59-2	
trans-1,2-Dichloroethene	2.0J	ug/L	5.0	1		11/01/16 18:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/01/16 18:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 18:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 18:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/01/16 18:32	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/01/16 18:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/01/16 18:32	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/01/16 18:32	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/01/16 18:32	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/01/16 18:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/01/16 18:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/01/16 18:32	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/01/16 18:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/01/16 18:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/01/16 18:32	127-18-4	
Toluene	0.46J	ug/L	5.0	1		11/01/16 18:32	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/01/16 18:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/01/16 18:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/01/16 18:32	79-00-5	
Trichloroethene	8.7	ug/L	5.0	1		11/01/16 18:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/01/16 18:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/01/16 18:32	76-13-1	
Vinyl chloride	5.3	ug/L	2.0	1		11/01/16 18:32	75-01-4	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1602 (34-37)		Lab ID: 50157909007		Collected: 11/01/16 14:45		Received: 11/01/16 17:38		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/01/16 18:32	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		99	%.	84-118	1		11/01/16 18:32	1868-53-7	
4-Bromofluorobenzene (S)		79	%.	79-116	1		11/01/16 18:32	460-00-4	
Toluene-d8 (S)		101	%.	86-110	1		11/01/16 18:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1602 (31-34)		Lab ID: 50157909008	Collected: 11/01/16 15:10	Received: 11/01/16 17:38	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/01/16 19:05	67-64-1	
Benzene	ND	ug/L	5.0	1		11/01/16 19:05	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/01/16 19:05	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/01/16 19:05	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/01/16 19:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/01/16 19:05	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/01/16 19:05	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/01/16 19:05	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/01/16 19:05	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/01/16 19:05	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/01/16 19:05	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/01/16 19:05	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/01/16 19:05	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/01/16 19:05	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/01/16 19:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/01/16 19:05	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/01/16 19:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/01/16 19:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/01/16 19:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/01/16 19:05	75-35-4	
cis-1,2-Dichloroethene	5.3	ug/L	5.0	1		11/01/16 19:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/01/16 19:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/01/16 19:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 19:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 19:05	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/01/16 19:05	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/01/16 19:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/01/16 19:05	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/01/16 19:05	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/01/16 19:05	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/01/16 19:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/01/16 19:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/01/16 19:05	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/01/16 19:05	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/01/16 19:05	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/01/16 19:05	127-18-4	
Toluene	ND	ug/L	5.0	1		11/01/16 19:05	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/01/16 19:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/01/16 19:05	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/01/16 19:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/01/16 19:05	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/01/16 19:05	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/01/16 19:05	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1602 (31-34)		Lab ID: 50157909008		Collected: 11/01/16 15:10		Received: 11/01/16 17:38		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/01/16 19:05	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		98	%.	84-118	1		11/01/16 19:05	1868-53-7	
4-Bromofluorobenzene (S)		93	%.	79-116	1		11/01/16 19:05	460-00-4	
Toluene-d8 (S)		102	%.	86-110	1		11/01/16 19:05	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1602 (28-31)		Lab ID: 50157909009	Collected: 11/01/16 15:35	Received: 11/01/16 17:38	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/01/16 19:38	67-64-1	
Benzene	ND	ug/L	5.0	1		11/01/16 19:38	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/01/16 19:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/01/16 19:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/01/16 19:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/01/16 19:38	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/01/16 19:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/01/16 19:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/01/16 19:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/01/16 19:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/01/16 19:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/01/16 19:38	74-87-3	
Cyclohexane	1.0J	ug/L	100	1		11/01/16 19:38	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/01/16 19:38	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/01/16 19:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/01/16 19:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/01/16 19:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/01/16 19:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/01/16 19:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/01/16 19:38	75-35-4	
cis-1,2-Dichloroethene	88.9	ug/L	5.0	1		11/01/16 19:38	156-59-2	
trans-1,2-Dichloroethene	2.5J	ug/L	5.0	1		11/01/16 19:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/01/16 19:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 19:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 19:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/01/16 19:38	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/01/16 19:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/01/16 19:38	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/01/16 19:38	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/01/16 19:38	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/01/16 19:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/01/16 19:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/01/16 19:38	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/01/16 19:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/01/16 19:38	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/01/16 19:38	127-18-4	
Toluene	ND	ug/L	5.0	1		11/01/16 19:38	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/01/16 19:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/01/16 19:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/01/16 19:38	79-00-5	
Trichloroethene	6.1	ug/L	5.0	1		11/01/16 19:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/01/16 19:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/01/16 19:38	76-13-1	
Vinyl chloride	2.7	ug/L	2.0	1		11/01/16 19:38	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1602 (28-31)		Lab ID: 50157909009		Collected: 11/01/16 15:35		Received: 11/01/16 17:38		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/01/16 19:38	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		104	%.	84-118	1		11/01/16 19:38	1868-53-7	
4-Bromofluorobenzene (S)		95	%.	79-116	1		11/01/16 19:38	460-00-4	
Toluene-d8 (S)		100	%.	86-110	1		11/01/16 19:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1602 (25-28)		Lab ID: 50157909010	Collected: 11/01/16 16:05	Received: 11/01/16 17:38	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/01/16 20:11	67-64-1	
Benzene	ND	ug/L	5.0	1		11/01/16 20:11	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/01/16 20:11	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/01/16 20:11	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/01/16 20:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/01/16 20:11	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/01/16 20:11	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/01/16 20:11	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/01/16 20:11	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/01/16 20:11	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/01/16 20:11	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/01/16 20:11	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/01/16 20:11	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/01/16 20:11	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/01/16 20:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/01/16 20:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 20:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 20:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/01/16 20:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/01/16 20:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/01/16 20:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/01/16 20:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/01/16 20:11	75-35-4	
cis-1,2-Dichloroethene	298	ug/L	5.0	1		11/01/16 20:11	156-59-2	
trans-1,2-Dichloroethene	8.3	ug/L	5.0	1		11/01/16 20:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/01/16 20:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 20:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/01/16 20:11	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/01/16 20:11	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/01/16 20:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/01/16 20:11	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/01/16 20:11	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/01/16 20:11	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/01/16 20:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/01/16 20:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/01/16 20:11	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/01/16 20:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/01/16 20:11	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/01/16 20:11	127-18-4	
Toluene	ND	ug/L	5.0	1		11/01/16 20:11	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/01/16 20:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/01/16 20:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/01/16 20:11	79-00-5	
Trichloroethene	70.6	ug/L	5.0	1		11/01/16 20:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/01/16 20:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/01/16 20:11	76-13-1	
Vinyl chloride	2.9	ug/L	2.0	1		11/01/16 20:11	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157909

Sample: SB-1602 (25-28)		Lab ID: 50157909010		Collected: 11/01/16 16:05		Received: 11/01/16 17:38		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/01/16 20:11	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	102	%.	84-118	1		11/01/16 20:11	1868-53-7		
4-Bromofluorobenzene (S)	91	%.	79-116	1		11/01/16 20:11	460-00-4		
Toluene-d8 (S)	101	%.	86-110	1		11/01/16 20:11	2037-26-5		

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QUALITY CONTROL DATA

Project: Racer - Kokomo

Pace Project No.: 50157909

QC Batch: 359309

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50157909001, 50157909002, 50157909003, 50157909004, 50157909005

METHOD BLANK: 1660849

Matrix: Water

Associated Lab Samples: 50157909001, 50157909002, 50157909003, 50157909004, 50157909005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/01/16 16:10	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/01/16 16:10	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/01/16 16:10	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/01/16 16:10	
1,1-Dichloroethane	ug/L	ND	5.0	11/01/16 16:10	
1,1-Dichloroethene	ug/L	ND	5.0	11/01/16 16:10	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/01/16 16:10	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/01/16 16:10	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/01/16 16:10	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/01/16 16:10	
1,2-Dichloroethane	ug/L	ND	5.0	11/01/16 16:10	
1,2-Dichloropropane	ug/L	ND	5.0	11/01/16 16:10	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/01/16 16:10	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/01/16 16:10	
2-Butanone (MEK)	ug/L	ND	25.0	11/01/16 16:10	
2-Hexanone	ug/L	ND	25.0	11/01/16 16:10	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/01/16 16:10	
Acetone	ug/L	ND	100	11/01/16 16:10	
Benzene	ug/L	ND	5.0	11/01/16 16:10	
Bromodichloromethane	ug/L	ND	5.0	11/01/16 16:10	
Bromoform	ug/L	ND	5.0	11/01/16 16:10	
Bromomethane	ug/L	ND	5.0	11/01/16 16:10	
Carbon disulfide	ug/L	ND	10.0	11/01/16 16:10	
Carbon tetrachloride	ug/L	ND	5.0	11/01/16 16:10	
Chlorobenzene	ug/L	ND	5.0	11/01/16 16:10	
Chloroethane	ug/L	ND	5.0	11/01/16 16:10	
Chloroform	ug/L	ND	5.0	11/01/16 16:10	
Chloromethane	ug/L	ND	5.0	11/01/16 16:10	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/01/16 16:10	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/01/16 16:10	
Cyclohexane	ug/L	ND	100	11/01/16 16:10	N2
Dibromochloromethane	ug/L	ND	5.0	11/01/16 16:10	
Dichlorodifluoromethane	ug/L	ND	5.0	11/01/16 16:10	
Ethylbenzene	ug/L	ND	5.0	11/01/16 16:10	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/01/16 16:10	
Methyl acetate	ug/L	ND	50.0	11/01/16 16:10	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/01/16 16:10	
Methylcyclohexane	ug/L	ND	50.0	11/01/16 16:10	N2
Methylene Chloride	ug/L	5.0	5.0	11/01/16 16:10	
Styrene	ug/L	ND	5.0	11/01/16 16:10	
Tetrachloroethene	ug/L	ND	5.0	11/01/16 16:10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Racer - Kokomo

Pace Project No.: 50157909

METHOD BLANK: 1660849

Matrix: Water

Associated Lab Samples: 50157909001, 50157909002, 50157909003, 50157909004, 50157909005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/01/16 16:10	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/01/16 16:10	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/01/16 16:10	
Trichloroethene	ug/L	ND	5.0	11/01/16 16:10	
Trichlorofluoromethane	ug/L	ND	5.0	11/01/16 16:10	
Vinyl chloride	ug/L	ND	2.0	11/01/16 16:10	
Xylene (Total)	ug/L	ND	10.0	11/01/16 16:10	
4-Bromofluorobenzene (S)	%	95	79-116	11/01/16 16:10	
Dibromofluoromethane (S)	%	94	84-118	11/01/16 16:10	
Toluene-d8 (S)	%	104	86-110	11/01/16 16:10	

LABORATORY CONTROL SAMPLE: 1660850

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.2	90	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	46.5	93	72-124	
1,1,2-Trichloroethane	ug/L	50	44.1	88	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	47.0	94	80-111	
1,1-Dichloroethane	ug/L	50	44.7	89	70-120	
1,1-Dichloroethene	ug/L	50	49.9	100	69-127	
1,2,4-Trichlorobenzene	ug/L	50	40.4	81	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	43.4	87	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	49.3	99	76-125	
1,2-Dichlorobenzene	ug/L	50	48.6	97	77-122	
1,2-Dichloroethane	ug/L	50	41.2	82	70-123	
1,2-Dichloropropane	ug/L	50	43.7	87	77-124	
1,3-Dichlorobenzene	ug/L	50	47.0	94	76-124	
1,4-Dichlorobenzene	ug/L	50	46.6	93	75-117	
2-Butanone (MEK)	ug/L	250	262	105	60-135	
2-Hexanone	ug/L	250	284	114	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	253	101	66-134	
Acetone	ug/L	250	265	106	47-144	
Benzene	ug/L	50	45.0	90	76-122	
Bromodichloromethane	ug/L	50	45.1	90	71-124	
Bromoform	ug/L	50	45.7	91	60-125	
Bromomethane	ug/L	50	28.9	58	23-194	
Carbon disulfide	ug/L	50	53.9	108	63-130	
Carbon tetrachloride	ug/L	50	47.0	94	73-133	
Chlorobenzene	ug/L	50	44.4	89	76-118	
Chloroethane	ug/L	50	39.8	80	50-147	
Chloroform	ug/L	50	43.6	87	70-119	
Chloromethane	ug/L	50	40.4	81	52-136	
cis-1,2-Dichloroethene	ug/L	50	45.7	91	74-120	
cis-1,3-Dichloropropene	ug/L	50	46.7	93	71-134	

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QUALITY CONTROL DATA

Project: Racer - Kokomo

Pace Project No.: 50157909

LABORATORY CONTROL SAMPLE: 1660850

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	45.0J	90	86-122	N2
Dibromochloromethane	ug/L	50	46.4	93	73-127	
Dichlorodifluoromethane	ug/L	50	29.8	60	39-166	
Ethylbenzene	ug/L	50	47.4	95	75-123	
Isopropylbenzene (Cumene)	ug/L	50	50.1	100	84-134	
Methyl acetate	ug/L	50	70.0	140	68-192	N2
Methyl-tert-butyl ether	ug/L	50	45.4	91	65-131	
Methylcyclohexane	ug/L	50	48.2J	96	89-122	N2
Methylene Chloride	ug/L	50	52.3	105	66-130	
Styrene	ug/L	50	50.6	101	78-128	
Tetrachloroethene	ug/L	50	40.4	81	69-119	
Toluene	ug/L	50	46.7	93	74-122	
trans-1,2-Dichloroethene	ug/L	50	47.1	94	72-122	
trans-1,3-Dichloropropene	ug/L	50	49.0	98	66-135	
Trichloroethene	ug/L	50	40.2	80	75-123	
Trichlorofluoromethane	ug/L	50	48.0	96	58-148	
Vinyl chloride	ug/L	50	39.3	79	61-147	
Xylene (Total)	ug/L	150	148	99	75-127	
4-Bromofluorobenzene (S)	%			99	79-116	
Dibromofluoromethane (S)	%			94	84-118	
Toluene-d8 (S)	%			99	86-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1660851 1660852

Parameter	Units	50157631001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	43.2	46.4	86	93	51-140	7	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	39.8	45.7	80	91	49-138	14	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	39.5	43.6	79	87	51-138	10	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	46.0	50.7	92	101	59-124	10	20	
1,1-Dichloroethane	ug/L	ND	50	50	43.6	46.2	87	92	48-137	6	20	
1,1-Dichloroethene	ug/L	ND	50	50	48.1	55.5	96	111	51-144	14	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	33.0	40.6	66	81	27-134	21	20 R1	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	33.4	41.4	67	83	37-127	21	20 R1	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	44.5	46.4	89	93	52-134	4	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	46.2	49.2	92	98	38-138	6	20	
1,2-Dichloroethane	ug/L	ND	50	50	37.7	40.5	75	81	44-144	7	20	
1,2-Dichloropropane	ug/L	ND	50	50	40.9	43.4	82	87	56-138	6	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	41.9	47.0	84	94	36-139	11	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	41.9	45.8	84	92	34-134	9	20	
2-Butanone (MEK)	ug/L	ND	250	250	212	225	85	90	44-142	6	20	
2-Hexanone	ug/L	ND	250	250	250	262	100	105	43-150	5	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	232	243	93	97	46-143	5	20	
Acetone	ug/L	ND	250	250	196	204	78	82	33-150	4	20	

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QUALITY CONTROL DATA

Project: Racer - Kokomo

Pace Project No.: 50157909

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1660851 1660852											
Parameter	Units	50157631001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max	
			Spike Conc.	Conc.	Result	Result				RPD	RPD
Benzene	ug/L	ND	50	50	44.2	47.6	88	95	51-140	7	20
Bromodichloromethane	ug/L	ND	50	50	39.5	43.1	79	86	46-137	9	20
Bromoform	ug/L	ND	50	50	38.5	41.8	77	84	36-127	8	20
Bromomethane	ug/L	ND	50	50	33.2	35.5	66	71	10-188	7	20
Carbon disulfide	ug/L	ND	50	50	57.7	61.1	115	122	35-148	6	20
Carbon tetrachloride	ug/L	ND	50	50	46.2	48.4	92	97	45-151	5	20
Chlorobenzene	ug/L	ND	50	50	41.4	44.0	83	88	45-138	6	20
Chloroethane	ug/L	ND	50	50	39.6	44.4	79	89	33-164	11	20
Chloroform	ug/L	ND	50	50	41.7	44.1	83	88	50-135	6	20
Chloromethane	ug/L	ND	50	50	40.1	42.1	80	84	38-146	5	20
cis-1,2-Dichloroethene	ug/L	ND	50	50	43.7	45.0	87	90	43-144	3	20
cis-1,3-Dichloropropene	ug/L	ND	50	50	41.7	44.9	83	90	42-136	8	20
Cyclohexane	ug/L	ND	50	50	45.8J	49.9J	92	100	67-139		20 N2
Dibromochloromethane	ug/L	ND	50	50	42.3	44.0	85	88	45-136	4	20
Dichlorodifluoromethane	ug/L	ND	50	50	40.1	42.2	80	84	29-174	5	20
Ethylbenzene	ug/L	ND	50	50	45.2	47.0	90	94	36-146	4	20
Isopropylbenzene (Cumene)	ug/L	ND	50	50	47.8	51.2	96	102	43-159	7	20
Methyl acetate	ug/L	ND	50	50	59.3	61.7	119	123	33-183	4	20 N2
Methyl-tert-butyl ether	ug/L	ND	50	50	40.6	45.1	81	90	43-146	10	20
Methylcyclohexane	ug/L	ND	50	50	44.6J	49.5J	89	99	60-140		20 N2
Methylene Chloride	ug/L	ND	50	50	41.9	45.6	84	91	48-140	8	20
Styrene	ug/L	ND	50	50	45.9	52.1	92	104	31-148	13	20
Tetrachloroethene	ug/L	ND	50	50	39.7	43.0	79	86	38-139	8	20
Toluene	ug/L	ND	50	50	45.9	48.0	92	96	44-140	4	20
trans-1,2-Dichloroethene	ug/L	ND	50	50	46.0	53.4	92	107	50-139	15	20
trans-1,3-Dichloropropene	ug/L	ND	50	50	43.1	46.5	86	93	37-138	8	20
Trichloroethene	ug/L	ND	50	50	38.8	42.0	78	84	44-146	8	20
Trichlorofluoromethane	ug/L	ND	50	50	48.1	51.3	96	103	41-164	6	20
Vinyl chloride	ug/L	ND	50	50	39.2	42.6	78	85	43-166	9	20
Xylene (Total)	ug/L	ND	150	150	139	151	93	101	35-146	8	20
4-Bromofluorobenzene (S)	%.						100	100	79-116		
Dibromofluoromethane (S)	%.						95	96	84-118		
Toluene-d8 (S)	%.						102	102	86-110		

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QUALITY CONTROL DATA

Project: Racer - Kokomo

Pace Project No.: 50157909

QC Batch: 359310

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50157909006, 50157909007, 50157909008, 50157909009, 50157909010

METHOD BLANK: 1660853

Matrix: Water

Associated Lab Samples: 50157909006, 50157909007, 50157909008, 50157909009, 50157909010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/01/16 16:27	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/01/16 16:27	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/01/16 16:27	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/01/16 16:27	
1,1-Dichloroethane	ug/L	ND	5.0	11/01/16 16:27	
1,1-Dichloroethene	ug/L	ND	5.0	11/01/16 16:27	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/01/16 16:27	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/01/16 16:27	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/01/16 16:27	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/01/16 16:27	
1,2-Dichloroethane	ug/L	ND	5.0	11/01/16 16:27	
1,2-Dichloropropane	ug/L	ND	5.0	11/01/16 16:27	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/01/16 16:27	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/01/16 16:27	
2-Butanone (MEK)	ug/L	ND	25.0	11/01/16 16:27	
2-Hexanone	ug/L	ND	25.0	11/01/16 16:27	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/01/16 16:27	
Acetone	ug/L	ND	100	11/01/16 16:27	
Benzene	ug/L	ND	5.0	11/01/16 16:27	
Bromodichloromethane	ug/L	ND	5.0	11/01/16 16:27	
Bromoform	ug/L	ND	5.0	11/01/16 16:27	
Bromomethane	ug/L	ND	5.0	11/01/16 16:27	
Carbon disulfide	ug/L	ND	10.0	11/01/16 16:27	
Carbon tetrachloride	ug/L	ND	5.0	11/01/16 16:27	
Chlorobenzene	ug/L	ND	5.0	11/01/16 16:27	
Chloroethane	ug/L	ND	5.0	11/01/16 16:27	
Chloroform	ug/L	ND	5.0	11/01/16 16:27	
Chloromethane	ug/L	ND	5.0	11/01/16 16:27	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/01/16 16:27	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/01/16 16:27	
Cyclohexane	ug/L	ND	100	11/01/16 16:27	N2
Dibromochloromethane	ug/L	ND	5.0	11/01/16 16:27	
Dichlorodifluoromethane	ug/L	ND	5.0	11/01/16 16:27	
Ethylbenzene	ug/L	ND	5.0	11/01/16 16:27	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/01/16 16:27	
Methyl acetate	ug/L	ND	50.0	11/01/16 16:27	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/01/16 16:27	
Methylcyclohexane	ug/L	ND	50.0	11/01/16 16:27	N2
Methylene Chloride	ug/L	ND	5.0	11/01/16 16:27	
Styrene	ug/L	ND	5.0	11/01/16 16:27	
Tetrachloroethene	ug/L	ND	5.0	11/01/16 16:27	

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QUALITY CONTROL DATA

Project: Racer - Kokomo

Pace Project No.: 50157909

METHOD BLANK: 1660853

Matrix: Water

Associated Lab Samples: 50157909006, 50157909007, 50157909008, 50157909009, 50157909010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/01/16 16:27	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/01/16 16:27	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/01/16 16:27	
Trichloroethene	ug/L	ND	5.0	11/01/16 16:27	
Trichlorofluoromethane	ug/L	ND	5.0	11/01/16 16:27	
Vinyl chloride	ug/L	ND	2.0	11/01/16 16:27	
Xylene (Total)	ug/L	ND	10.0	11/01/16 16:27	
4-Bromofluorobenzene (S)	%	97	79-116	11/01/16 16:27	
Dibromofluoromethane (S)	%	101	84-118	11/01/16 16:27	
Toluene-d8 (S)	%	101	86-110	11/01/16 16:27	

LABORATORY CONTROL SAMPLE: 1660854

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.7	95	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	56.4	113	72-124	
1,1,2-Trichloroethane	ug/L	50	49.3	99	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	44.3	89	80-111	
1,1-Dichloroethane	ug/L	50	46.5	93	70-120	
1,1-Dichloroethene	ug/L	50	42.1	84	69-127	
1,2,4-Trichlorobenzene	ug/L	50	54.7	109	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	56.4	113	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	49.7	99	76-125	
1,2-Dichlorobenzene	ug/L	50	55.5	111	77-122	
1,2-Dichloroethane	ug/L	50	43.0	86	70-123	
1,2-Dichloropropane	ug/L	50	50.3	101	77-124	
1,3-Dichlorobenzene	ug/L	50	53.9	108	76-124	
1,4-Dichlorobenzene	ug/L	50	51.2	102	75-117	
2-Butanone (MEK)	ug/L	250	258	103	60-135	
2-Hexanone	ug/L	250	271	108	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	264	105	66-134	
Acetone	ug/L	250	202	81	47-144	
Benzene	ug/L	50	47.5	95	76-122	
Bromodichloromethane	ug/L	50	49.3	99	71-124	
Bromoform	ug/L	50	53.1	106	60-125	
Bromomethane	ug/L	50	56.6	113	23-194	
Carbon disulfide	ug/L	50	43.4	87	63-130	
Carbon tetrachloride	ug/L	50	51.3	103	73-133	
Chlorobenzene	ug/L	50	49.1	98	76-118	
Chloroethane	ug/L	50	38.8	78	50-147	
Chloroform	ug/L	50	46.2	92	70-119	
Chloromethane	ug/L	50	40.5	81	52-136	
cis-1,2-Dichloroethene	ug/L	50	46.5	93	74-120	
cis-1,3-Dichloropropene	ug/L	50	60.0	120	71-134	

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QUALITY CONTROL DATA

Project: Racer - Kokomo

Pace Project No.: 50157909

LABORATORY CONTROL SAMPLE: 1660854

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	50.8J	102	86-122	N2
Dibromochloromethane	ug/L	50	52.3	105	73-127	
Dichlorodifluoromethane	ug/L	50	31.4	63	39-166	
Ethylbenzene	ug/L	50	56.4	113	75-123	
Isopropylbenzene (Cumene)	ug/L	50	57.1	114	84-134	
Methyl acetate	ug/L	50	57.9	116	68-192	N2
Methyl-tert-butyl ether	ug/L	50	45.4	91	65-131	
Methylcyclohexane	ug/L	50	54.1	108	89-122	N2
Methylene Chloride	ug/L	50	48.3	97	66-130	
Styrene	ug/L	50	57.0	114	78-128	
Tetrachloroethene	ug/L	50	48.1	96	69-119	
Toluene	ug/L	50	52.8	106	74-122	
trans-1,2-Dichloroethene	ug/L	50	42.6	85	72-122	
trans-1,3-Dichloropropene	ug/L	50	61.2	122	66-135	
Trichloroethene	ug/L	50	46.8	94	75-123	
Trichlorofluoromethane	ug/L	50	45.6	91	58-148	
Vinyl chloride	ug/L	50	42.8	86	61-147	
Xylene (Total)	ug/L	150	165	110	75-127	
4-Bromofluorobenzene (S)	%			100	79-116	
Dibromofluoromethane (S)	%			93	84-118	
Toluene-d8 (S)	%			100	86-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1660855 1660856

Parameter	Units	50157574004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	41.9	40.0	84	80	51-140	5	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	46.0	43.1	92	86	49-138	6	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	41.8	39.7	84	79	51-138	5	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	41.5	38.4	83	77	59-124	8	20	
1,1-Dichloroethane	ug/L	ND	50	50	42.0	39.1	84	78	48-137	7	20	
1,1-Dichloroethene	ug/L	ND	50	50	39.8	36.3	80	73	51-144	9	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	45.1	41.2	90	82	27-134	9	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	45.2	43.3	90	87	37-127	4	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	41.1	37.1	82	74	52-134	10	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	47.6	43.5	95	87	38-138	9	20	
1,2-Dichloroethane	ug/L	ND	50	50	38.0	34.4	76	69	44-144	10	20	
1,2-Dichloropropane	ug/L	ND	50	50	43.0	38.8	86	78	56-138	10	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	44.5	42.2	89	84	36-139	5	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	42.3	40.0	85	80	34-134	6	20	
2-Butanone (MEK)	ug/L	ND	250	250	207	194	83	78	44-142	6	20	
2-Hexanone	ug/L	ND	250	250	230	216	92	87	43-150	6	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	220	203	88	81	46-143	8	20	
Acetone	ug/L	ND	250	250	173	153	69	61	33-150	12	20	

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QUALITY CONTROL DATA

Project: Racer - Kokomo

Pace Project No.: 50157909

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1660855 1660856											
Parameter	Units	50157574004 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max	
			Spike Conc.	Conc.	Result	Result				RPD	RPD
Benzene	ug/L	ND	50	50	42.2	39.4	84	79	51-140	7	20
Bromodichloromethane	ug/L	ND	50	50	39.3	36.5	79	73	46-137	7	20
Bromoform	ug/L	ND	50	50	40.9	38.4	82	77	36-127	6	20
Bromomethane	ug/L	ND	50	50	50.0	51.4	100	103	10-188	3	20
Carbon disulfide	ug/L	ND	50	50	38.7	36.7	77	73	35-148	5	20
Carbon tetrachloride	ug/L	ND	50	50	44.9	42.9	90	86	45-151	5	20
Chlorobenzene	ug/L	ND	50	50	41.1	39.4	82	79	45-138	4	20
Chloroethane	ug/L	ND	50	50	35.0	33.9	70	68	33-164	3	20
Chloroform	ug/L	ND	50	50	41.6	38.9	83	78	50-135	7	20
Chloromethane	ug/L	ND	50	50	38.3	38.0	77	76	38-146	1	20
cis-1,2-Dichloroethene	ug/L	ND	50	50	41.4	38.7	83	77	43-144	7	20
cis-1,3-Dichloropropene	ug/L	ND	50	50	47.3	45.8	95	92	42-136	3	20
Cyclohexane	ug/L	ND	50	50	48.1J	45.9J	96	92	67-139		20 N2
Dibromochloromethane	ug/L	ND	50	50	43.9	40.3	88	81	45-136	9	20
Dichlorodifluoromethane	ug/L	ND	50	50	41.6	39.1	83	78	29-174	6	20
Ethylbenzene	ug/L	ND	50	50	46.6	46.2	93	92	36-146	1	20
Isopropylbenzene (Cumene)	ug/L	ND	50	50	49.4	46.6	99	93	43-159	6	20
Methyl acetate	ug/L	ND	50	50	42.8J	39.6J	86	79	33-183		20 N2
Methyl-tert-butyl ether	ug/L	ND	50	50	37.0	34.2	74	68	43-146	8	20
Methylcyclohexane	ug/L	ND	50	50	49.3J	46.4J	99	93	60-140		20 N2
Methylene Chloride	ug/L	ND	50	50	38.8	34.9	78	70	48-140	11	20
Styrene	ug/L	ND	50	50	48.0	45.0	96	90	31-148	6	20
Tetrachloroethene	ug/L	ND	50	50	42.1	39.3	84	79	38-139	7	20
Toluene	ug/L	ND	50	50	45.9	43.6	92	87	44-140	5	20
trans-1,2-Dichloroethene	ug/L	ND	50	50	39.3	37.2	79	74	50-139	6	20
trans-1,3-Dichloropropene	ug/L	ND	50	50	47.5	45.4	95	91	37-138	5	20
Trichloroethene	ug/L	ND	50	50	41.3	39.0	83	78	44-146	6	20
Trichlorofluoromethane	ug/L	ND	50	50	43.7	41.7	87	83	41-164	5	20
Vinyl chloride	ug/L	ND	50	50	40.1	38.5	80	77	43-166	4	20
Xylene (Total)	ug/L	ND	150	150	138	133	92	88	35-146	4	20
4-Bromofluorobenzene (S)	%.						97	99	79-116		
Dibromofluoromethane (S)	%.						95	95	84-118		
Toluene-d8 (S)	%.						100	101	86-110		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Racer - Kokomo
Pace Project No.: 50157909

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Racer - Kokomo

Pace Project No.: 50157909

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50157909001	TB-01 (110116)	EPA 8260	359309		
50157909002	SB-1601 (34-37)	EPA 8260	359309		
50157909003	SB-1601 (31-34)	EPA 8260	359309		
50157909004	SB-1601 (28-31)	EPA 8260	359309		
50157909005	SB-1601 (25-28)	EPA 8260	359309		
50157909006	SB-1601 (21-24)	EPA 8260	359310		
50157909007	SB-1602 (34-37)	EPA 8260	359310		
50157909008	SB-1602 (31-34)	EPA 8260	359310		
50157909009	SB-1602 (28-31)	EPA 8260	359310		
50157909010	SB-1602 (25-28)	EPA 8260	359310		

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Required Client Information:

Required Project Information

Invoice Information

Page: 1 of 2
2159060

***Important Note:** By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 50157909

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other foam

Thermometer 1 2 3 4 5 6 A B C D E F

Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Initial/Corrected) 1.0/1.0

Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: MH 10-1-16

Are samples from West Virginia?	☐ Yes ☒ No	1.
Document any containers out of temp.		
Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	3.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	4.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☒ Yes ☐ No ☐ N/A	7. <u>24 hr</u>
Containers intact:	☒ Yes ☐ No ☐ N/A	8.
Sample Labels match COC: -Includes date/time/ID/Analysis	☐ Yes ☒ No ☐ N/A	9. <u>No date, time or analysis on sample containers</u>
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐ Yes ☐ No ☒ N/A	10. (Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12. Present Absent
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	13.
Headspace Wisconsin Sulfide	☐ Yes ☐ No	14.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	15.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	15.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	16.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	17.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

Project Manager Review:

MH Neal

Date:

11/1/16

CLIENT: Arcadi's

Bulk
Kit

Project # 50157907

Sample Line Item	
69	AG11I WGEII AG0U R 4 / 6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H BP3C BP1U SP5T AG2U
70	

Matrix SI/Wt/Ot
(Soil/Water/Other)

pH < 2 pH > 9 pH > 12

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[illegible]

Container Codes							
DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG1U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JG1U	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

November 03, 2016

Jesse Wright
Arcadis U.S., Inc.
132 E. Washington Street
Suite 600
Indianapolis, IN 46204

RE: Project: Racer - Kokomo
Pace Project No.: 50157913

Dear Jesse Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Karen Fullmer for
Kelly Jones
kelly.jones@pacelabs.com
Project Manager

Enclosures

cc: Ms. Sarah Fisher, Arcadis
Mr. Luke Martin, Arcadis
Ms. Lauren Werckenthien, Arcadis



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Racer - Kokomo

Pace Project No.: 50157913

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas/NELAP Certification #:E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #:98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

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SAMPLE SUMMARY

Project: Racer - Kokomo

Pace Project No.: 50157913

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50157913001	TB-02 (110116)	Water	11/01/16 12:00	11/02/16 06:42
50157913002	SB1602 (22-25)	Water	11/01/16 16:25	11/02/16 06:42
50157913003	SB1602 (19-22)	Water	11/01/16 16:55	11/02/16 06:42
50157913004	SB1602 (16-19)	Water	11/01/16 17:05	11/02/16 06:42
50157913005	SB1602 (12-15)	Water	11/01/16 17:20	11/02/16 06:42

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SAMPLE ANALYTE COUNT

Project: Racer - Kokomo

Pace Project No.: 50157913

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50157913001	TB-02 (110116)	EPA 8260	DAE	51
50157913002	SB1602 (22-25)	EPA 8260	DAE	51
50157913003	SB1602 (19-22)	EPA 8260	DAE	51
50157913004	SB1602 (16-19)	EPA 8260	DAE	51
50157913005	SB1602 (12-15)	EPA 8260	DAE	51

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SUMMARY OF DETECTION

Project: Racer - Kokomo

Pace Project No.: 50157913

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50157913002	SB1602 (22-25)					
EPA 8260	Cyclohexane	4.0J	ug/L	100	11/02/16 10:23	N2
EPA 8260	cis-1,2-Dichloroethene	844	ug/L	25.0	11/02/16 20:00	
EPA 8260	trans-1,2-Dichloroethene	15.3	ug/L	5.0	11/02/16 10:23	
EPA 8260	Methylcyclohexane	4.6J	ug/L	50.0	11/02/16 10:23	N2
EPA 8260	Trichloroethene	48.8	ug/L	5.0	11/02/16 10:23	
EPA 8260	Vinyl chloride	64.1	ug/L	2.0	11/02/16 10:23	
50157913003	SB1602 (19-22)					
EPA 8260	Cyclohexane	9.9J	ug/L	100	11/02/16 10:56	N2
EPA 8260	1,1-Dichloroethene	1.8J	ug/L	5.0	11/02/16 10:56	
EPA 8260	cis-1,2-Dichloroethene	993	ug/L	25.0	11/02/16 19:28	
EPA 8260	trans-1,2-Dichloroethene	17.4	ug/L	5.0	11/02/16 10:56	
EPA 8260	Trichloroethene	11.4	ug/L	5.0	11/02/16 10:56	
EPA 8260	Vinyl chloride	151	ug/L	2.0	11/02/16 10:56	
50157913004	SB1602 (16-19)					
EPA 8260	Cyclohexane	9.3J	ug/L	100	11/02/16 11:29	N2
EPA 8260	1,1-Dichloroethene	1.7J	ug/L	5.0	11/02/16 11:29	
EPA 8260	cis-1,2-Dichloroethene	1030	ug/L	25.0	11/02/16 18:55	
EPA 8260	trans-1,2-Dichloroethene	18.3	ug/L	5.0	11/02/16 11:29	
EPA 8260	Methylcyclohexane	5.4J	ug/L	50.0	11/02/16 11:29	N2
EPA 8260	Trichloroethene	13.9	ug/L	5.0	11/02/16 11:29	
EPA 8260	Vinyl chloride	126	ug/L	2.0	11/02/16 11:29	
50157913005	SB1602 (12-15)					
EPA 8260	Acetone	7.4J	ug/L	100	11/02/16 12:01	
EPA 8260	Cyclohexane	3.1J	ug/L	100	11/02/16 12:01	N2
EPA 8260	cis-1,2-Dichloroethene	367	ug/L	25.0	11/02/16 18:22	
EPA 8260	trans-1,2-Dichloroethene	7.1	ug/L	5.0	11/02/16 12:01	
EPA 8260	Trichloroethene	16.9	ug/L	5.0	11/02/16 12:01	
EPA 8260	Vinyl chloride	93.8	ug/L	2.0	11/02/16 12:01	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157913

Sample: TB-02 (110116)		Lab ID: 50157913001	Collected: 11/01/16 12:00	Received: 11/02/16 06:42	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/02/16 09:50	67-64-1	
Benzene	ND	ug/L	5.0	1		11/02/16 09:50	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/02/16 09:50	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/02/16 09:50	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/02/16 09:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/02/16 09:50	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/02/16 09:50	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/02/16 09:50	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/02/16 09:50	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/02/16 09:50	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/02/16 09:50	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/02/16 09:50	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/02/16 09:50	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/02/16 09:50	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/02/16 09:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/02/16 09:50	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 09:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 09:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 09:50	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/02/16 09:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/02/16 09:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/02/16 09:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/02/16 09:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/02/16 09:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/02/16 09:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/02/16 09:50	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/02/16 09:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/02/16 09:50	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/02/16 09:50	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/02/16 09:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/02/16 09:50	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/02/16 09:50	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/02/16 09:50	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/02/16 09:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/02/16 09:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/02/16 09:50	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/02/16 09:50	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/02/16 09:50	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/02/16 09:50	127-18-4	
Toluene	ND	ug/L	5.0	1		11/02/16 09:50	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/02/16 09:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/02/16 09:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/02/16 09:50	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/02/16 09:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/02/16 09:50	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/02/16 09:50	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/02/16 09:50	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157913

Sample: TB-02 (110116)		Lab ID: 50157913001		Collected: 11/01/16 12:00		Received: 11/02/16 06:42		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/02/16 09:50	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	84-118	1		11/02/16 09:50	1868-53-7	
4-Bromofluorobenzene (S)		93	%.	79-116	1		11/02/16 09:50	460-00-4	
Toluene-d8 (S)		100	%.	86-110	1		11/02/16 09:50	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157913

Sample: SB1602 (22-25)		Lab ID: 50157913002	Collected: 11/01/16 16:25	Received: 11/02/16 06:42	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/02/16 10:23	67-64-1	
Benzene	ND	ug/L	5.0	1		11/02/16 10:23	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/02/16 10:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/02/16 10:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/02/16 10:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/02/16 10:23	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/02/16 10:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/02/16 10:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/02/16 10:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/02/16 10:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/02/16 10:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/02/16 10:23	74-87-3	
Cyclohexane	4.0J	ug/L	100	1		11/02/16 10:23	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/02/16 10:23	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/02/16 10:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/02/16 10:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 10:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 10:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 10:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/02/16 10:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/02/16 10:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/02/16 10:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/02/16 10:23	75-35-4	
cis-1,2-Dichloroethene	844	ug/L	25.0	5		11/02/16 20:00	156-59-2	
trans-1,2-Dichloroethene	15.3	ug/L	5.0	1		11/02/16 10:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/02/16 10:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/02/16 10:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/02/16 10:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/02/16 10:23	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/02/16 10:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/02/16 10:23	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/02/16 10:23	79-20-9	N2
Methylcyclohexane	4.6J	ug/L	50.0	1		11/02/16 10:23	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/02/16 10:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/02/16 10:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/02/16 10:23	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/02/16 10:23	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/02/16 10:23	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/02/16 10:23	127-18-4	
Toluene	ND	ug/L	5.0	1		11/02/16 10:23	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/02/16 10:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/02/16 10:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/02/16 10:23	79-00-5	
Trichloroethene	48.8	ug/L	5.0	1		11/02/16 10:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/02/16 10:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/02/16 10:23	76-13-1	
Vinyl chloride	64.1	ug/L	2.0	1		11/02/16 10:23	75-01-4	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157913

Sample: SB1602 (22-25)		Lab ID: 50157913002		Collected: 11/01/16 16:25		Received: 11/02/16 06:42		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/02/16 10:23	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	99	%.	84-118	1		11/02/16 10:23	1868-53-7		
4-Bromofluorobenzene (S)	96	%.	79-116	1		11/02/16 10:23	460-00-4		
Toluene-d8 (S)	102	%.	86-110	1		11/02/16 10:23	2037-26-5		

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157913

Sample: SB1602 (19-22)		Lab ID: 50157913003	Collected: 11/01/16 16:55	Received: 11/02/16 06:42	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/02/16 10:56	67-64-1	
Benzene	ND	ug/L	5.0	1		11/02/16 10:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/02/16 10:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/02/16 10:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/02/16 10:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/02/16 10:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/02/16 10:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/02/16 10:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/02/16 10:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/02/16 10:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/02/16 10:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/02/16 10:56	74-87-3	
Cyclohexane	9.9J	ug/L	100	1		11/02/16 10:56	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/02/16 10:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/02/16 10:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/02/16 10:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 10:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 10:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 10:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/02/16 10:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/02/16 10:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/02/16 10:56	107-06-2	
1,1-Dichloroethene	1.8J	ug/L	5.0	1		11/02/16 10:56	75-35-4	
cis-1,2-Dichloroethene	993	ug/L	25.0	5		11/02/16 19:28	156-59-2	
trans-1,2-Dichloroethene	17.4	ug/L	5.0	1		11/02/16 10:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/02/16 10:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/02/16 10:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/02/16 10:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/02/16 10:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/02/16 10:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/02/16 10:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/02/16 10:56	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/02/16 10:56	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/02/16 10:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/02/16 10:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/02/16 10:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/02/16 10:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/02/16 10:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/02/16 10:56	127-18-4	
Toluene	ND	ug/L	5.0	1		11/02/16 10:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/02/16 10:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/02/16 10:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/02/16 10:56	79-00-5	
Trichloroethene	11.4	ug/L	5.0	1		11/02/16 10:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/02/16 10:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/02/16 10:56	76-13-1	
Vinyl chloride	151	ug/L	2.0	1		11/02/16 10:56	75-01-4	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157913

Sample: SB1602 (19-22)		Lab ID: 50157913003		Collected: 11/01/16 16:55		Received: 11/02/16 06:42		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/02/16 10:56	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	99	%.	84-118	1		11/02/16 10:56	1868-53-7		
4-Bromofluorobenzene (S)	93	%.	79-116	1		11/02/16 10:56	460-00-4		
Toluene-d8 (S)	102	%.	86-110	1		11/02/16 10:56	2037-26-5		

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157913

Sample: SB1602 (16-19)		Lab ID: 50157913004		Collected: 11/01/16 17:05		Received: 11/02/16 06:42		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/02/16 11:29	67-64-1		
Benzene	ND	ug/L	5.0	1		11/02/16 11:29	71-43-2		
Bromodichloromethane	ND	ug/L	5.0	1		11/02/16 11:29	75-27-4		
Bromoform	ND	ug/L	5.0	1		11/02/16 11:29	75-25-2		
Bromomethane	ND	ug/L	5.0	1		11/02/16 11:29	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		11/02/16 11:29	78-93-3		
Carbon disulfide	ND	ug/L	10.0	1		11/02/16 11:29	75-15-0		
Carbon tetrachloride	ND	ug/L	5.0	1		11/02/16 11:29	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		11/02/16 11:29	108-90-7		
Chloroethane	ND	ug/L	5.0	1		11/02/16 11:29	75-00-3		
Chloroform	ND	ug/L	5.0	1		11/02/16 11:29	67-66-3		
Chloromethane	ND	ug/L	5.0	1		11/02/16 11:29	74-87-3		
Cyclohexane	9.3J	ug/L	100	1		11/02/16 11:29	110-82-7	N2	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/02/16 11:29	96-12-8		
Dibromochloromethane	ND	ug/L	5.0	1		11/02/16 11:29	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/02/16 11:29	106-93-4		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 11:29	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 11:29	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 11:29	106-46-7		
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/02/16 11:29	75-71-8		
1,1-Dichloroethane	ND	ug/L	5.0	1		11/02/16 11:29	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		11/02/16 11:29	107-06-2		
1,1-Dichloroethene	1.7J	ug/L	5.0	1		11/02/16 11:29	75-35-4		
cis-1,2-Dichloroethene	1030	ug/L	25.0	5		11/02/16 18:55	156-59-2		
trans-1,2-Dichloroethene	18.3	ug/L	5.0	1		11/02/16 11:29	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		11/02/16 11:29	78-87-5		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/02/16 11:29	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/02/16 11:29	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		11/02/16 11:29	100-41-4		
2-Hexanone	ND	ug/L	25.0	1		11/02/16 11:29	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/02/16 11:29	98-82-8		
Methyl acetate	ND	ug/L	50.0	1		11/02/16 11:29	79-20-9	N2	
Methylcyclohexane	5.4J	ug/L	50.0	1		11/02/16 11:29	108-87-2	N2	
Methylene Chloride	ND	ug/L	5.0	1		11/02/16 11:29	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/02/16 11:29	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/02/16 11:29	1634-04-4		
Styrene	ND	ug/L	5.0	1		11/02/16 11:29	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/02/16 11:29	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		11/02/16 11:29	127-18-4		
Toluene	ND	ug/L	5.0	1		11/02/16 11:29	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/02/16 11:29	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/02/16 11:29	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/02/16 11:29	79-00-5		
Trichloroethene	13.9	ug/L	5.0	1		11/02/16 11:29	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		11/02/16 11:29	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/02/16 11:29	76-13-1		
Vinyl chloride	126	ug/L	2.0	1		11/02/16 11:29	75-01-4		

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157913

Sample: SB1602 (16-19)		Lab ID: 50157913004		Collected: 11/01/16 17:05		Received: 11/02/16 06:42		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/02/16 11:29	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		98	%.	84-118	1		11/02/16 11:29	1868-53-7	
4-Bromofluorobenzene (S)		92	%.	79-116	1		11/02/16 11:29	460-00-4	
Toluene-d8 (S)		101	%.	86-110	1		11/02/16 11:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157913

Sample: SB1602 (12-15)		Lab ID: 50157913005	Collected: 11/01/16 17:20	Received: 11/02/16 06:42	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	7.4J	ug/L	100	1		11/02/16 12:01	67-64-1	
Benzene	ND	ug/L	5.0	1		11/02/16 12:01	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/02/16 12:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/02/16 12:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/02/16 12:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/02/16 12:01	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/02/16 12:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/02/16 12:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/02/16 12:01	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/02/16 12:01	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/02/16 12:01	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/02/16 12:01	74-87-3	
Cyclohexane	3.1J	ug/L	100	1		11/02/16 12:01	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/02/16 12:01	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/02/16 12:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/02/16 12:01	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 12:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 12:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/02/16 12:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/02/16 12:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/02/16 12:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/02/16 12:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/02/16 12:01	75-35-4	
cis-1,2-Dichloroethene	367	ug/L	25.0	5		11/02/16 18:22	156-59-2	
trans-1,2-Dichloroethene	7.1	ug/L	5.0	1		11/02/16 12:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/02/16 12:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/02/16 12:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/02/16 12:01	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/02/16 12:01	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/02/16 12:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/02/16 12:01	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/02/16 12:01	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/02/16 12:01	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/02/16 12:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/02/16 12:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/02/16 12:01	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/02/16 12:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/02/16 12:01	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/02/16 12:01	127-18-4	
Toluene	ND	ug/L	5.0	1		11/02/16 12:01	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/02/16 12:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/02/16 12:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/02/16 12:01	79-00-5	
Trichloroethene	16.9	ug/L	5.0	1		11/02/16 12:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/02/16 12:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/02/16 12:01	76-13-1	
Vinyl chloride	93.8	ug/L	2.0	1		11/02/16 12:01	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer - Kokomo

Pace Project No.: 50157913

Sample: SB1602 (12-15)		Lab ID: 50157913005		Collected: 11/01/16 17:20		Received: 11/02/16 06:42		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/02/16 12:01	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		99	%.	84-118	1		11/02/16 12:01	1868-53-7	
4-Bromofluorobenzene (S)		92	%.	79-116	1		11/02/16 12:01	460-00-4	
Toluene-d8 (S)		100	%.	86-110	1		11/02/16 12:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Racer - Kokomo

Pace Project No.: 50157913

QC Batch: 359463

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50157913001, 50157913002, 50157913003, 50157913004, 50157913005

METHOD BLANK: 1661336

Matrix: Water

Associated Lab Samples: 50157913001, 50157913002, 50157913003, 50157913004, 50157913005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/02/16 04:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/02/16 04:55	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/02/16 04:55	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/02/16 04:55	
1,1-Dichloroethane	ug/L	ND	5.0	11/02/16 04:55	
1,1-Dichloroethene	ug/L	ND	5.0	11/02/16 04:55	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/02/16 04:55	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/02/16 04:55	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/02/16 04:55	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/02/16 04:55	
1,2-Dichloroethane	ug/L	ND	5.0	11/02/16 04:55	
1,2-Dichloropropane	ug/L	ND	5.0	11/02/16 04:55	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/02/16 04:55	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/02/16 04:55	
2-Butanone (MEK)	ug/L	ND	25.0	11/02/16 04:55	
2-Hexanone	ug/L	ND	25.0	11/02/16 04:55	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/02/16 04:55	
Acetone	ug/L	ND	100	11/02/16 04:55	
Benzene	ug/L	ND	5.0	11/02/16 04:55	
Bromodichloromethane	ug/L	ND	5.0	11/02/16 04:55	
Bromoform	ug/L	ND	5.0	11/02/16 04:55	
Bromomethane	ug/L	ND	5.0	11/02/16 04:55	
Carbon disulfide	ug/L	ND	10.0	11/02/16 04:55	
Carbon tetrachloride	ug/L	ND	5.0	11/02/16 04:55	
Chlorobenzene	ug/L	ND	5.0	11/02/16 04:55	
Chloroethane	ug/L	ND	5.0	11/02/16 04:55	
Chloroform	ug/L	ND	5.0	11/02/16 04:55	
Chloromethane	ug/L	ND	5.0	11/02/16 04:55	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/02/16 04:55	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/02/16 04:55	
Cyclohexane	ug/L	ND	100	11/02/16 04:55	N2
Dibromochloromethane	ug/L	ND	5.0	11/02/16 04:55	
Dichlorodifluoromethane	ug/L	ND	5.0	11/02/16 04:55	
Ethylbenzene	ug/L	ND	5.0	11/02/16 04:55	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/02/16 04:55	
Methyl acetate	ug/L	ND	50.0	11/02/16 04:55	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/02/16 04:55	
Methylcyclohexane	ug/L	ND	50.0	11/02/16 04:55	N2
Methylene Chloride	ug/L	ND	5.0	11/02/16 04:55	
Styrene	ug/L	ND	5.0	11/02/16 04:55	
Tetrachloroethene	ug/L	ND	5.0	11/02/16 04:55	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Racer - Kokomo

Pace Project No.: 50157913

METHOD BLANK: 1661336

Matrix: Water

Associated Lab Samples: 50157913001, 50157913002, 50157913003, 50157913004, 50157913005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/02/16 04:55	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/02/16 04:55	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/02/16 04:55	
Trichloroethene	ug/L	ND	5.0	11/02/16 04:55	
Trichlorofluoromethane	ug/L	ND	5.0	11/02/16 04:55	
Vinyl chloride	ug/L	ND	2.0	11/02/16 04:55	
Xylene (Total)	ug/L	ND	10.0	11/02/16 04:55	
4-Bromofluorobenzene (S)	%	93	79-116	11/02/16 04:55	
Dibromofluoromethane (S)	%	98	84-118	11/02/16 04:55	
Toluene-d8 (S)	%	99	86-110	11/02/16 04:55	

LABORATORY CONTROL SAMPLE: 1661337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.7	99	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	59.3	119	72-124	
1,1,2-Trichloroethane	ug/L	50	53.8	108	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	46.2	92	80-111	
1,1-Dichloroethane	ug/L	50	49.3	99	70-120	
1,1-Dichloroethene	ug/L	50	42.5	85	69-127	
1,2,4-Trichlorobenzene	ug/L	50	56.4	113	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	59.3	119	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	55.1	110	76-125	
1,2-Dichlorobenzene	ug/L	50	57.7	115	77-122	
1,2-Dichloroethane	ug/L	50	45.6	91	70-123	
1,2-Dichloropropane	ug/L	50	51.7	103	77-124	
1,3-Dichlorobenzene	ug/L	50	55.6	111	76-124	
1,4-Dichlorobenzene	ug/L	50	52.9	106	75-117	
2-Butanone (MEK)	ug/L	250	265	106	60-135	
2-Hexanone	ug/L	250	295	118	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	273	109	66-134	
Acetone	ug/L	250	203	81	47-144	
Benzene	ug/L	50	49.5	99	76-122	
Bromodichloromethane	ug/L	50	49.5	99	71-124	
Bromoform	ug/L	50	56.3	113	60-125	
Bromomethane	ug/L	50	62.1	124	23-194	
Carbon disulfide	ug/L	50	44.1	88	63-130	
Carbon tetrachloride	ug/L	50	52.1	104	73-133	
Chlorobenzene	ug/L	50	50.9	102	76-118	
Chloroethane	ug/L	50	40.6	81	50-147	
Chloroform	ug/L	50	50.1	100	70-119	
Chloromethane	ug/L	50	43.6	87	52-136	
cis-1,2-Dichloroethene	ug/L	50	48.5	97	74-120	
cis-1,3-Dichloropropene	ug/L	50	58.3	117	71-134	

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QUALITY CONTROL DATA

Project: Racer - Kokomo

Pace Project No.: 50157913

LABORATORY CONTROL SAMPLE: 1661337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	55.1J	110	86-122	N2
Dibromochloromethane	ug/L	50	56.5	113	73-127	
Dichlorodifluoromethane	ug/L	50	33.4	67	39-166	
Ethylbenzene	ug/L	50	58.1	116	75-123	
Isopropylbenzene (Cumene)	ug/L	50	59.1	118	84-134	
Methyl acetate	ug/L	50	62.8	126	68-192	N2
Methyl-tert-butyl ether	ug/L	50	47.0	94	65-131	
Methylcyclohexane	ug/L	50	55.1	110	89-122	N2
Methylene Chloride	ug/L	50	53.6	107	66-130	
Styrene	ug/L	50	60.0	120	78-128	
Tetrachloroethene	ug/L	50	51.1	102	69-119	
Toluene	ug/L	50	53.3	107	74-122	
trans-1,2-Dichloroethene	ug/L	50	44.4	89	72-122	
trans-1,3-Dichloropropene	ug/L	50	60.1	120	66-135	
Trichloroethene	ug/L	50	49.7	99	75-123	
Trichlorofluoromethane	ug/L	50	47.5	95	58-148	
Vinyl chloride	ug/L	50	40.7	81	61-147	
Xylene (Total)	ug/L	150	168	112	75-127	
4-Bromofluorobenzene (S)	%			102	79-116	
Dibromofluoromethane (S)	%			94	84-118	
Toluene-d8 (S)	%			98	86-110	

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QUALIFIERS

Project: Racer - Kokomo

Pace Project No.: 50157913

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

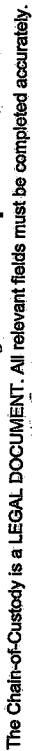
Project: Racer - Kokomo

Pace Project No.: 50157913

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50157913001	TB-02 (110116)	EPA 8260	359463		
50157913002	SB1602 (22-25)	EPA 8260	359463		
50157913003	SB1602 (19-22)	EPA 8260	359463		
50157913004	SB1602 (16-19)	EPA 8260	359463		
50157913005	SB1602 (12-15)	EPA 8260	359463		

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	A R T A I S	Report To:	Jesse Wright	Company Name:	
Address:	132 E Washington St	Copy To:	GAIL FRIED	Address:	
	Indianapolis, IN 46204		Matt Baker / Luke Martin	Pace Quote Reference:	
Email To:	Jesse Wright	Purchase Order No.:	11000884.2016	Pace Project Manager:	
Phone:	317-231-6574	Project Name:	Race - Kokomo	Pace Profile #:	
Requested Due Date:	PAI: 24 JAN 2017	Project Number:	11000884.2016		

Page: 1 of 2
 2159061
 REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER
 Site Location:
 STATE:

[illegible]

PRINT Name of SAMPLER: W. M. M. M. M.

SIGNATURE of SAMPLER: [Signature]

***Important Note:** By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

Client Name: ARCADISProject # 50157913Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____Tracking #: NACustody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ noDate/Time 5035A kits
placed in freezerPacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other PEAMThermometer 1 2 3 4 5 6 A B C D E FType of Ice: Wet Blue None ☐ Samples on ice, cooling process has begunCooler Temperature
(Initial/Corrected) 1.4Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining
contents: egg 11-2-16
JP 11-2-16

Are samples from West Virginia?	☐ Yes ☒ No	1.	
Document any containers out of temp.			
Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	2.	
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	3.	
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	4.	
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	5.	
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.	
Rush Turn Around Time Requested:	☒ Yes ☐ No ☐ N/A	7.	<u>24 HR</u>
Containers Intact:	☒ Yes ☐ No ☐ N/A	8.	
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	9.	
-Includes date/time/ID/Analysis			
All containers needing acid/base pres. have been checked?	☐ Yes ☐ No ☒ N/A	10	(Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
exceptions: VOA, coliform, TOC, O&G			
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.			
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11.	Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12.	Present Absent
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	13	
Headspace Wisconsin Sulfide	☐ Yes ☐ No	14	
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	15	
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A		
Project Manager Review			
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	15.	
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	16.	
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	17.	

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

Project Manager Review: eggDate: 11-2-16

CLIENT:

COC PAGE

COC ID#

Sample Line

**Bulk
Kit**

Project #

50157913

215 of 1906

H69A
H69D

AG1U WGFU AG0U R 4 / 6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H BP3C BP1U SP5T AG2U

pH < 2 pH > 9 pH > 12

Matrix S1Wt/0t
(Soil/Water/Other)

آپ

1	3
2	3
3	3
4	3
5	3
6	
7	
8	
9	
10	
11	
12	

35

→

Container Codes

DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG9U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

November 04, 2016

Jesse Wright
Arcadis U.S., Inc.
132 E. Washington Street
Suite 600
Indianapolis, IN 46204

RE: Project: Kokomo - Racer
Pace Project No.: 50158136

Dear Jesse Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on November 03, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Donna Spyker for
Kelly Jones
kelly.jones@pacelabs.com
Project Manager

Enclosures

cc: Ms. Sarah Fisher, Arcadis
Mr. Luke Martin, Arcadis
Ms. Lauren Werckenthien, Arcadis



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Kokomo - Racer

Pace Project No.: 50158136

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas/NELAP Certification #:E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #:98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Kokomo - Racer

Pace Project No.: 50158136

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50158136001	TB-01 (110316)	Water	11/03/16 08:00	11/03/16 17:55
50158136002	SB-1603 (39-42)	Water	11/03/16 09:50	11/03/16 17:55
50158136003	SB-1603 (36-39)	Water	11/03/16 10:25	11/03/16 17:55
50158136004	SB-1603 (33-36)	Water	11/03/16 10:40	11/03/16 17:55
50158136005	SB-1603 (30-33)	Water	11/03/16 11:15	11/03/16 17:55
50158136006	SB-1603 (27-30)	Water	11/03/16 11:35	11/03/16 17:55
50158136007	SB-1603 (24-27)	Water	11/03/16 12:00	11/03/16 17:55
50158136008	SB-1604 (40-43)	Water	11/03/16 13:15	11/03/16 17:55
50158136009	SB-1604 (37-40)	Water	11/03/16 13:40	11/03/16 17:55
50158136010	SB-1604 (34-37)	Water	11/03/16 14:10	11/03/16 17:55
50158136011	SB-1604 (31-34)	Water	11/03/16 14:35	11/03/16 17:55
50158136012	SB-1604 (28-31)	Water	11/03/16 15:00	11/03/16 17:55
50158136013	SB-1604 (25-28)	Water	11/03/16 15:25	11/03/16 17:55
50158136014	SB-1604 (22-25)	Water	11/03/16 15:40	11/03/16 17:55
50158136015	DUP-01 (110316)	Water	11/03/16 08:00	11/03/16 17:55
50158136016	DUP-02 (110316)	Water	11/03/16 08:00	11/03/16 17:55

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SAMPLE ANALYTE COUNT

Project: Kokomo - Racer

Pace Project No.: 50158136

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50158136001	TB-01 (110316)	EPA 8260	JLZ	51
50158136002	SB-1603 (39-42)	EPA 8260	JLZ	51
50158136003	SB-1603 (36-39)	EPA 8260	JLZ	51
50158136004	SB-1603 (33-36)	EPA 8260	JLZ	51
50158136005	SB-1603 (30-33)	EPA 8260	JLZ	51
50158136006	SB-1603 (27-30)	EPA 8260	JLZ	51
50158136007	SB-1603 (24-27)	EPA 8260	DAE, TMW	51
50158136008	SB-1604 (40-43)	EPA 8260	DAE	51
50158136009	SB-1604 (37-40)	EPA 8260	DAE	51
50158136010	SB-1604 (34-37)	EPA 8260	TMW	51
50158136011	SB-1604 (31-34)	EPA 8260	TMW	51
50158136012	SB-1604 (28-31)	EPA 8260	TMW	51
50158136013	SB-1604 (25-28)	EPA 8260	TMW	51
50158136014	SB-1604 (22-25)	EPA 8260	TMW	51
50158136015	DUP-01 (110316)	EPA 8260	TMW	51
50158136016	DUP-02 (110316)	EPA 8260	DAE	51

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SUMMARY OF DETECTION

Project: Kokomo - Racer

Pace Project No.: 50158136

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158136001	TB-01 (110316)					
EPA 8260	Methylene Chloride	9.6	ug/L	5.0	11/04/16 11:00	C9
EPA 8260	Toluene	0.73J	ug/L	5.0	11/04/16 11:00	
50158136002	SB-1603 (39-42)					
EPA 8260	cis-1,2-Dichloroethene	26.2	ug/L	5.0	11/04/16 11:24	
EPA 8260	trans-1,2-Dichloroethene	2.4J	ug/L	5.0	11/04/16 11:24	
EPA 8260	Methylene Chloride	6.7	ug/L	5.0	11/04/16 11:24	C9
EPA 8260	Toluene	1.0J	ug/L	5.0	11/04/16 11:24	
50158136003	SB-1603 (36-39)					
EPA 8260	cis-1,2-Dichloroethene	81.8	ug/L	5.0	11/04/16 11:47	
EPA 8260	trans-1,2-Dichloroethene	8.2	ug/L	5.0	11/04/16 11:47	
EPA 8260	Methylene Chloride	5.4	ug/L	5.0	11/04/16 11:47	C9
EPA 8260	Toluene	1.4J	ug/L	5.0	11/04/16 11:47	
EPA 8260	Vinyl chloride	1.4J	ug/L	2.0	11/04/16 11:47	
50158136004	SB-1603 (33-36)					
EPA 8260	cis-1,2-Dichloroethene	232	ug/L	5.0	11/04/16 12:11	
EPA 8260	trans-1,2-Dichloroethene	23.7	ug/L	5.0	11/04/16 12:11	
EPA 8260	Methylene Chloride	4.1J	ug/L	5.0	11/04/16 12:11	
EPA 8260	Toluene	1.2J	ug/L	5.0	11/04/16 12:11	
EPA 8260	Vinyl chloride	11.2	ug/L	2.0	11/04/16 12:11	
50158136005	SB-1603 (30-33)					
EPA 8260	cis-1,2-Dichloroethene	431	ug/L	25.0	11/04/16 14:09	
EPA 8260	trans-1,2-Dichloroethene	34.9	ug/L	5.0	11/04/16 12:35	
EPA 8260	Methylene Chloride	5.5	ug/L	5.0	11/04/16 12:35	C9
EPA 8260	Toluene	1.1J	ug/L	5.0	11/04/16 12:35	
EPA 8260	Vinyl chloride	16.8	ug/L	2.0	11/04/16 12:35	
50158136006	SB-1603 (27-30)					
EPA 8260	1,1-Dichloroethene	2.2J	ug/L	5.0	11/04/16 12:58	
EPA 8260	cis-1,2-Dichloroethene	1530	ug/L	50.0	11/04/16 14:33	
EPA 8260	trans-1,2-Dichloroethene	95.8	ug/L	5.0	11/04/16 12:58	
EPA 8260	Methylene Chloride	3.8J	ug/L	5.0	11/04/16 12:58	
EPA 8260	Toluene	1.5J	ug/L	5.0	11/04/16 12:58	
EPA 8260	Vinyl chloride	59.8	ug/L	2.0	11/04/16 12:58	
50158136007	SB-1603 (24-27)					
EPA 8260	cis-1,2-Dichloroethene	1160	ug/L	50.0	11/04/16 13:47	
EPA 8260	trans-1,2-Dichloroethene	125	ug/L	5.0	11/04/16 09:09	
EPA 8260	Toluene	0.86J	ug/L	5.0	11/04/16 09:09	
EPA 8260	Trichloroethene	1.7J	ug/L	5.0	11/04/16 09:09	
EPA 8260	Vinyl chloride	54.4	ug/L	2.0	11/04/16 09:09	
50158136008	SB-1604 (40-43)					
EPA 8260	cis-1,2-Dichloroethene	9.3	ug/L	5.0	11/04/16 09:38	
EPA 8260	Trichloroethene	8.9	ug/L	5.0	11/04/16 09:38	

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SUMMARY OF DETECTION

Project: Kokomo - Racer

Pace Project No.: 50158136

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158136009	SB-1604 (37-40)					
EPA 8260	cis-1,2-Dichloroethene	8.7	ug/L	5.0	11/04/16 10:07	
EPA 8260	Trichloroethene	9.9	ug/L	5.0	11/04/16 10:07	
50158136010	SB-1604 (34-37)					
EPA 8260	cis-1,2-Dichloroethene	3.2J	ug/L	5.0	11/04/16 12:13	
EPA 8260	Trichloroethene	4.1J	ug/L	5.0	11/04/16 12:13	
50158136011	SB-1604 (31-34)					
EPA 8260	Trichloroethene	2.1J	ug/L	5.0	11/04/16 12:50	
50158136012	SB-1604 (28-31)					
EPA 8260	cis-1,2-Dichloroethene	3.1J	ug/L	5.0	11/04/16 11:54	
EPA 8260	Trichloroethene	1.6J	ug/L	5.0	11/04/16 11:54	
50158136013	SB-1604 (25-28)					
EPA 8260	cis-1,2-Dichloroethene	73.5	ug/L	5.0	11/04/16 12:32	
EPA 8260	trans-1,2-Dichloroethene	4.6J	ug/L	5.0	11/04/16 12:32	
EPA 8260	Trichloroethene	9.2	ug/L	5.0	11/04/16 12:32	
EPA 8260	Vinyl chloride	1.7J	ug/L	2.0	11/04/16 12:32	
50158136014	SB-1604 (22-25)					
EPA 8260	cis-1,2-Dichloroethene	230	ug/L	5.0	11/04/16 13:09	
EPA 8260	trans-1,2-Dichloroethene	21.0	ug/L	5.0	11/04/16 13:09	
EPA 8260	Trichloroethene	118	ug/L	5.0	11/04/16 13:09	
EPA 8260	Vinyl chloride	6.2	ug/L	2.0	11/04/16 13:09	
50158136015	DUP-01 (110316)					
EPA 8260	cis-1,2-Dichloroethene	341	ug/L	50.0	11/04/16 14:24	
EPA 8260	trans-1,2-Dichloroethene	44.5	ug/L	5.0	11/04/16 13:28	
EPA 8260	Vinyl chloride	36.3	ug/L	2.0	11/04/16 13:28	
50158136016	DUP-02 (110316)					
EPA 8260	cis-1,2-Dichloroethene	5.0	ug/L	5.0	11/04/16 10:37	
EPA 8260	Trichloroethene	2.6J	ug/L	5.0	11/04/16 10:37	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: TB-01 (110316)		Lab ID: 50158136001	Collected: 11/03/16 08:00	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 11:00	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 11:00	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 11:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 11:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 11:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 11:00	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 11:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 11:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 11:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 11:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 11:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 11:00	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 11:00	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 11:00	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 11:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 11:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 11:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 11:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 11:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 11:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/16 11:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/16 11:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 11:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 11:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 11:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 11:00	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 11:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 11:00	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 11:00	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 11:00	108-87-2	N2
Methylene Chloride	9.6	ug/L	5.0	1		11/04/16 11:00	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 11:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 11:00	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 11:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 11:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 11:00	127-18-4	
Toluene	0.73J	ug/L	5.0	1		11/04/16 11:00	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 11:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 11:00	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/16 11:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 11:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 11:00	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/04/16 11:00	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: TB-01 (110316)		Lab ID: 50158136001	Collected: 11/03/16 08:00	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		11/04/16 11:00	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	84-118	1		11/04/16 11:00	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-116	1		11/04/16 11:00	460-00-4	
Toluene-d8 (S)	98	%.	86-110	1		11/04/16 11:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1603 (39-42)		Lab ID: 50158136002	Collected: 11/03/16 09:50	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 11:24	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 11:24	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 11:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 11:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 11:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 11:24	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 11:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 11:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 11:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 11:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 11:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 11:24	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 11:24	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 11:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 11:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 11:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 11:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 11:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 11:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 11:24	75-35-4	
cis-1,2-Dichloroethene	26.2	ug/L	5.0	1		11/04/16 11:24	156-59-2	
trans-1,2-Dichloroethene	2.4J	ug/L	5.0	1		11/04/16 11:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 11:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 11:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 11:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 11:24	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 11:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 11:24	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 11:24	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 11:24	108-87-2	N2
Methylene Chloride	6.7	ug/L	5.0	1		11/04/16 11:24	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 11:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 11:24	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 11:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 11:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 11:24	127-18-4	
Toluene	1.0J	ug/L	5.0	1		11/04/16 11:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 11:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 11:24	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/16 11:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 11:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 11:24	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/04/16 11:24	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1603 (39-42)		Lab ID: 50158136002		Collected: 11/03/16 09:50		Received: 11/03/16 17:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 11:24	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		104	%.	84-118	1		11/04/16 11:24	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/04/16 11:24	460-00-4	
Toluene-d8 (S)		98	%.	86-110	1		11/04/16 11:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1603 (36-39)		Lab ID: 50158136003	Collected: 11/03/16 10:25	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 11:47	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 11:47	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 11:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 11:47	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 11:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 11:47	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 11:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 11:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 11:47	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 11:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 11:47	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 11:47	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 11:47	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 11:47	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 11:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 11:47	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 11:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 11:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 11:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 11:47	75-35-4	
cis-1,2-Dichloroethene	81.8	ug/L	5.0	1		11/04/16 11:47	156-59-2	
trans-1,2-Dichloroethene	8.2	ug/L	5.0	1		11/04/16 11:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 11:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 11:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 11:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 11:47	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 11:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 11:47	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 11:47	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 11:47	108-87-2	N2
Methylene Chloride	5.4	ug/L	5.0	1		11/04/16 11:47	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 11:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 11:47	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 11:47	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 11:47	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 11:47	127-18-4	
Toluene	1.4J	ug/L	5.0	1		11/04/16 11:47	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 11:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 11:47	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/16 11:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 11:47	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 11:47	76-13-1	
Vinyl chloride	1.4J	ug/L	2.0	1		11/04/16 11:47	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1603 (36-39)		Lab ID: 50158136003		Collected: 11/03/16 10:25		Received: 11/03/16 17:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 11:47	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		104	%.	84-118	1		11/04/16 11:47	1868-53-7	
4-Bromofluorobenzene (S)		101	%.	79-116	1		11/04/16 11:47	460-00-4	
Toluene-d8 (S)		96	%.	86-110	1		11/04/16 11:47	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1603 (33-36)		Lab ID: 50158136004	Collected: 11/03/16 10:40	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 12:11	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 12:11	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 12:11	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 12:11	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 12:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 12:11	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 12:11	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 12:11	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 12:11	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 12:11	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 12:11	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 12:11	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 12:11	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 12:11	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 12:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 12:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 12:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 12:11	75-35-4	
cis-1,2-Dichloroethene	232	ug/L	5.0	1		11/04/16 12:11	156-59-2	
trans-1,2-Dichloroethene	23.7	ug/L	5.0	1		11/04/16 12:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 12:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:11	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 12:11	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 12:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 12:11	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 12:11	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 12:11	108-87-2	N2
Methylene Chloride	4.13	ug/L	5.0	1		11/04/16 12:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 12:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 12:11	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 12:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 12:11	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 12:11	127-18-4	
Toluene	1.23	ug/L	5.0	1		11/04/16 12:11	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:11	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/16 12:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 12:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 12:11	76-13-1	
Vinyl chloride	11.2	ug/L	2.0	1		11/04/16 12:11	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1603 (33-36)		Lab ID: 50158136004		Collected: 11/03/16 10:40		Received: 11/03/16 17:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 12:11	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		99	%.	84-118	1		11/04/16 12:11	1868-53-7	
4-Bromofluorobenzene (S)		105	%.	79-116	1		11/04/16 12:11	460-00-4	
Toluene-d8 (S)		92	%.	86-110	1		11/04/16 12:11	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1603 (30-33)		Lab ID: 50158136005	Collected: 11/03/16 11:15	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 12:35	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 12:35	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 12:35	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 12:35	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 12:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 12:35	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 12:35	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 12:35	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 12:35	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 12:35	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 12:35	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 12:35	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 12:35	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 12:35	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 12:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 12:35	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 12:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 12:35	75-35-4	
cis-1,2-Dichloroethene	431	ug/L	25.0	5		11/04/16 14:09	156-59-2	
trans-1,2-Dichloroethene	34.9	ug/L	5.0	1		11/04/16 12:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 12:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:35	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 12:35	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 12:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 12:35	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 12:35	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 12:35	108-87-2	N2
Methylene Chloride	5.5	ug/L	5.0	1		11/04/16 12:35	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 12:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 12:35	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 12:35	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 12:35	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 12:35	127-18-4	
Toluene	1.1J	ug/L	5.0	1		11/04/16 12:35	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:35	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/16 12:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 12:35	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 12:35	76-13-1	
Vinyl chloride	16.8	ug/L	2.0	1		11/04/16 12:35	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1603 (30-33)		Lab ID: 50158136005		Collected: 11/03/16 11:15		Received: 11/03/16 17:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 12:35	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		91	%.	84-118	1		11/04/16 12:35	1868-53-7	
4-Bromofluorobenzene (S)		101	%.	79-116	1		11/04/16 12:35	460-00-4	
Toluene-d8 (S)		98	%.	86-110	1		11/04/16 12:35	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1603 (27-30)		Lab ID: 50158136006	Collected: 11/03/16 11:35	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 12:58	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 12:58	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 12:58	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 12:58	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 12:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 12:58	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 12:58	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 12:58	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 12:58	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 12:58	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 12:58	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 12:58	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 12:58	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 12:58	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 12:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 12:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 12:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:58	107-06-2	
1,1-Dichloroethene	2.2J	ug/L	5.0	1		11/04/16 12:58	75-35-4	
cis-1,2-Dichloroethene	1530	ug/L	50.0	10		11/04/16 14:33	156-59-2	
trans-1,2-Dichloroethene	95.8	ug/L	5.0	1		11/04/16 12:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 12:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:58	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 12:58	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 12:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 12:58	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 12:58	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 12:58	108-87-2	N2
Methylene Chloride	3.8J	ug/L	5.0	1		11/04/16 12:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 12:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 12:58	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 12:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 12:58	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 12:58	127-18-4	
Toluene	1.5J	ug/L	5.0	1		11/04/16 12:58	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:58	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/16 12:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 12:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 12:58	76-13-1	
Vinyl chloride	59.8	ug/L	2.0	1		11/04/16 12:58	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1603 (27-30)		Lab ID: 50158136006		Collected: 11/03/16 11:35		Received: 11/03/16 17:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 12:58	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	84-118	1		11/04/16 12:58	1868-53-7	
4-Bromofluorobenzene (S)		99	%.	79-116	1		11/04/16 12:58	460-00-4	
Toluene-d8 (S)		97	%.	86-110	1		11/04/16 12:58	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1603 (24-27)		Lab ID: 50158136007	Collected: 11/03/16 12:00	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 09:09	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 09:09	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 09:09	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 09:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 09:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 09:09	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 09:09	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 09:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 09:09	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 09:09	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 09:09	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 09:09	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 09:09	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 09:09	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 09:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 09:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 09:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 09:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 09:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 09:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 09:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 09:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 09:09	75-35-4	
cis-1,2-Dichloroethene	1160	ug/L	50.0	10		11/04/16 13:47	156-59-2	
trans-1,2-Dichloroethene	125	ug/L	5.0	1		11/04/16 09:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 09:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 09:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 09:09	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 09:09	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 09:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 09:09	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 09:09	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 09:09	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 09:09	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 09:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 09:09	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 09:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 09:09	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 09:09	127-18-4	
Toluene	0.86J	ug/L	5.0	1		11/04/16 09:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 09:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 09:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 09:09	79-00-5	
Trichloroethene	1.7J	ug/L	5.0	1		11/04/16 09:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 09:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 09:09	76-13-1	
Vinyl chloride	54.4	ug/L	2.0	1		11/04/16 09:09	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1603 (24-27)		Lab ID: 50158136007		Collected: 11/03/16 12:00		Received: 11/03/16 17:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 09:09	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		114	%.	84-118	1		11/04/16 09:09	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/04/16 09:09	460-00-4	
Toluene-d8 (S)		97	%.	86-110	1		11/04/16 09:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1604 (40-43)		Lab ID: 50158136008	Collected: 11/03/16 13:15	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 09:38	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 09:38	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 09:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 09:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 09:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 09:38	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 09:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 09:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 09:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 09:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 09:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 09:38	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 09:38	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 09:38	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 09:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 09:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 09:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 09:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 09:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 09:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 09:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 09:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 09:38	75-35-4	
cis-1,2-Dichloroethene	9.3	ug/L	5.0	1		11/04/16 09:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/16 09:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 09:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 09:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 09:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 09:38	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 09:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 09:38	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 09:38	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 09:38	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 09:38	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 09:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 09:38	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 09:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 09:38	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 09:38	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/16 09:38	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 09:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 09:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 09:38	79-00-5	
Trichloroethene	8.9	ug/L	5.0	1		11/04/16 09:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 09:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 09:38	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/04/16 09:38	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1604 (40-43)		Lab ID: 50158136008		Collected: 11/03/16 13:15		Received: 11/03/16 17:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 09:38	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		110	%.	84-118	1		11/04/16 09:38	1868-53-7	
4-Bromofluorobenzene (S)		94	%.	79-116	1		11/04/16 09:38	460-00-4	
Toluene-d8 (S)		95	%.	86-110	1		11/04/16 09:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1604 (37-40)		Lab ID: 50158136009	Collected: 11/03/16 13:40	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 10:07	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 10:07	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 10:07	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 10:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 10:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 10:07	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 10:07	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 10:07	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 10:07	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 10:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 10:07	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 10:07	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 10:07	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 10:07	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 10:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 10:07	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 10:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 10:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 10:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 10:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 10:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 10:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 10:07	75-35-4	
cis-1,2-Dichloroethene	8.7	ug/L	5.0	1		11/04/16 10:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/16 10:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 10:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 10:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 10:07	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 10:07	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 10:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 10:07	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 10:07	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 10:07	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 10:07	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 10:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 10:07	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 10:07	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 10:07	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 10:07	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/16 10:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 10:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 10:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 10:07	79-00-5	
Trichloroethene	9.9	ug/L	5.0	1		11/04/16 10:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 10:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 10:07	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/04/16 10:07	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1604 (37-40)		Lab ID: 50158136009		Collected: 11/03/16 13:40		Received: 11/03/16 17:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 10:07	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		109	%.	84-118	1		11/04/16 10:07	1868-53-7	
4-Bromofluorobenzene (S)		93	%.	79-116	1		11/04/16 10:07	460-00-4	
Toluene-d8 (S)		96	%.	86-110	1		11/04/16 10:07	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1604 (34-37)		Lab ID: 50158136010	Collected: 11/03/16 14:10	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 12:13	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 12:13	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 12:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 12:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 12:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 12:13	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 12:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 12:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 12:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 12:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 12:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 12:13	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 12:13	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 12:13	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 12:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 12:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 12:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 12:13	75-35-4	
cis-1,2-Dichloroethene	3.2J	ug/L	5.0	1		11/04/16 12:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/16 12:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 12:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 12:13	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 12:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 12:13	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 12:13	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 12:13	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 12:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 12:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 12:13	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 12:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 12:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 12:13	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/16 12:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:13	79-00-5	
Trichloroethene	4.1J	ug/L	5.0	1		11/04/16 12:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 12:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 12:13	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/04/16 12:13	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1604 (34-37)		Lab ID: 50158136010		Collected: 11/03/16 14:10		Received: 11/03/16 17:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/04/16 12:13	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	104	%.	84-118	1		11/04/16 12:13	1868-53-7		
4-Bromofluorobenzene (S)	103	%.	79-116	1		11/04/16 12:13	460-00-4		
Toluene-d8 (S)	97	%.	86-110	1		11/04/16 12:13	2037-26-5		

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1604 (31-34)		Lab ID: 50158136011	Collected: 11/03/16 14:35	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 12:50	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 12:50	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 12:50	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 12:50	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 12:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 12:50	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 12:50	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 12:50	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 12:50	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 12:50	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 12:50	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 12:50	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 12:50	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 12:50	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 12:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 12:50	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:50	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 12:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 12:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/16 12:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/16 12:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 12:50	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:50	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 12:50	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 12:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 12:50	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 12:50	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 12:50	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 12:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 12:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 12:50	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 12:50	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 12:50	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 12:50	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/16 12:50	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:50	79-00-5	
Trichloroethene	2.1J	ug/L	5.0	1		11/04/16 12:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 12:50	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 12:50	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/04/16 12:50	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1604 (31-34)		Lab ID: 50158136011		Collected: 11/03/16 14:35		Received: 11/03/16 17:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 12:50	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		107	%.	84-118	1		11/04/16 12:50	1868-53-7	
4-Bromofluorobenzene (S)		102	%.	79-116	1		11/04/16 12:50	460-00-4	
Toluene-d8 (S)		93	%.	86-110	1		11/04/16 12:50	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1604 (28-31)		Lab ID: 50158136012	Collected: 11/03/16 15:00	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 11:54	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 11:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 11:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 11:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 11:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 11:54	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 11:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 11:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 11:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 11:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 11:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 11:54	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 11:54	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 11:54	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 11:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 11:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 11:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 11:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 11:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 11:54	75-35-4	
cis-1,2-Dichloroethene	3.1J	ug/L	5.0	1		11/04/16 11:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/16 11:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 11:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 11:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 11:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 11:54	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 11:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 11:54	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 11:54	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 11:54	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 11:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 11:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 11:54	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 11:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 11:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 11:54	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/16 11:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 11:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 11:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 11:54	79-00-5	
Trichloroethene	1.6J	ug/L	5.0	1		11/04/16 11:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 11:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 11:54	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/04/16 11:54	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1604 (28-31)		Lab ID: 50158136012		Collected: 11/03/16 15:00		Received: 11/03/16 17:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 11:54	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		103	%.	84-118	1		11/04/16 11:54	1868-53-7	
4-Bromofluorobenzene (S)		105	%.	79-116	1		11/04/16 11:54	460-00-4	
Toluene-d8 (S)		101	%.	86-110	1		11/04/16 11:54	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1604 (25-28)		Lab ID: 50158136013	Collected: 11/03/16 15:25	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 12:32	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 12:32	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 12:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 12:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 12:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 12:32	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 12:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 12:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 12:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 12:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 12:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 12:32	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 12:32	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 12:32	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 12:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 12:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 12:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 12:32	75-35-4	
cis-1,2-Dichloroethene	73.5	ug/L	5.0	1		11/04/16 12:32	156-59-2	
trans-1,2-Dichloroethene	4.6J	ug/L	5.0	1		11/04/16 12:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 12:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 12:32	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 12:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 12:32	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 12:32	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 12:32	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 12:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 12:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 12:32	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 12:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 12:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 12:32	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/16 12:32	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:32	79-00-5	
Trichloroethene	9.2	ug/L	5.0	1		11/04/16 12:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 12:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 12:32	76-13-1	
Vinyl chloride	1.7J	ug/L	2.0	1		11/04/16 12:32	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1604 (25-28)		Lab ID: 50158136013		Collected: 11/03/16 15:25		Received: 11/03/16 17:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/04/16 12:32	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	100	%.	84-118	1		11/04/16 12:32	1868-53-7		
4-Bromofluorobenzene (S)	99	%.	79-116	1		11/04/16 12:32	460-00-4		
Toluene-d8 (S)	95	%.	86-110	1		11/04/16 12:32	2037-26-5		

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1604 (22-25)		Lab ID: 50158136014	Collected: 11/03/16 15:40	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 13:09	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 13:09	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 13:09	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 13:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 13:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 13:09	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 13:09	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 13:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 13:09	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 13:09	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 13:09	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 13:09	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 13:09	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 13:09	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 13:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 13:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 13:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 13:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 13:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 13:09	75-35-4	
cis-1,2-Dichloroethene	230	ug/L	5.0	1		11/04/16 13:09	156-59-2	
trans-1,2-Dichloroethene	21.0	ug/L	5.0	1		11/04/16 13:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 13:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 13:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 13:09	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 13:09	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 13:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 13:09	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 13:09	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 13:09	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 13:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 13:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 13:09	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 13:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 13:09	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 13:09	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/16 13:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 13:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 13:09	79-00-5	
Trichloroethene	118	ug/L	5.0	1		11/04/16 13:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 13:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 13:09	76-13-1	
Vinyl chloride	6.2	ug/L	2.0	1		11/04/16 13:09	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: SB-1604 (22-25)		Lab ID: 50158136014		Collected: 11/03/16 15:40		Received: 11/03/16 17:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 13:09	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	1		11/04/16 13:09	1868-53-7	
4-Bromofluorobenzene (S)		101	%.	79-116	1		11/04/16 13:09	460-00-4	
Toluene-d8 (S)		98	%.	86-110	1		11/04/16 13:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: DUP-01 (110316)		Lab ID: 50158136015	Collected: 11/03/16 08:00	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 13:28	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 13:28	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 13:28	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 13:28	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 13:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 13:28	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 13:28	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 13:28	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 13:28	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 13:28	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 13:28	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 13:28	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 13:28	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 13:28	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 13:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 13:28	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 13:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 13:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 13:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 13:28	75-35-4	
cis-1,2-Dichloroethene	341	ug/L	50.0	10		11/04/16 14:24	156-59-2	
trans-1,2-Dichloroethene	44.5	ug/L	5.0	1		11/04/16 13:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 13:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 13:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 13:28	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 13:28	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 13:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 13:28	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 13:28	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 13:28	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 13:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 13:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 13:28	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 13:28	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 13:28	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 13:28	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/16 13:28	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 13:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 13:28	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/16 13:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 13:28	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 13:28	76-13-1	
Vinyl chloride	36.3	ug/L	2.0	1		11/04/16 13:28	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: DUP-01 (110316)		Lab ID: 50158136015		Collected: 11/03/16 08:00		Received: 11/03/16 17:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/04/16 13:28	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	107	%.	84-118	1		11/04/16 13:28	1868-53-7		
4-Bromofluorobenzene (S)	105	%.	79-116	1		11/04/16 13:28	460-00-4		
Toluene-d8 (S)	93	%.	86-110	1		11/04/16 13:28	2037-26-5		

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: DUP-02 (110316)		Lab ID: 50158136016	Collected: 11/03/16 08:00	Received: 11/03/16 17:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 10:37	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 10:37	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 10:37	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 10:37	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 10:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 10:37	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 10:37	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 10:37	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 10:37	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 10:37	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 10:37	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 10:37	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 10:37	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 10:37	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 10:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 10:37	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 10:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 10:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 10:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 10:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 10:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 10:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 10:37	75-35-4	
cis-1,2-Dichloroethene	5.0	ug/L	5.0	1		11/04/16 10:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/16 10:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 10:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 10:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 10:37	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 10:37	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 10:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 10:37	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 10:37	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 10:37	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 10:37	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 10:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 10:37	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 10:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 10:37	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 10:37	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/16 10:37	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 10:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 10:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 10:37	79-00-5	
Trichloroethene	2.6J	ug/L	5.0	1		11/04/16 10:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 10:37	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 10:37	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/04/16 10:37	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo - Racer

Pace Project No.: 50158136

Sample: DUP-02 (110316)		Lab ID: 50158136016		Collected: 11/03/16 08:00		Received: 11/03/16 17:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/04/16 10:37	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	111	%.	84-118	1		11/04/16 10:37	1868-53-7		
4-Bromofluorobenzene (S)	92	%.	79-116	1		11/04/16 10:37	460-00-4		
Toluene-d8 (S)	97	%.	86-110	1		11/04/16 10:37	2037-26-5		

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QUALITY CONTROL DATA

Project: Kokomo - Racer

Pace Project No.: 50158136

QC Batch: 359860

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50158136001, 50158136002, 50158136003, 50158136004, 50158136005, 50158136006

METHOD BLANK: 1663060

Matrix: Water

Associated Lab Samples: 50158136001, 50158136002, 50158136003, 50158136004, 50158136005, 50158136006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/04/16 10:36	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/04/16 10:36	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/04/16 10:36	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/04/16 10:36	
1,1-Dichloroethane	ug/L	ND	5.0	11/04/16 10:36	
1,1-Dichloroethene	ug/L	ND	5.0	11/04/16 10:36	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/04/16 10:36	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/04/16 10:36	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/04/16 10:36	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/04/16 10:36	
1,2-Dichloroethane	ug/L	ND	5.0	11/04/16 10:36	
1,2-Dichloropropane	ug/L	ND	5.0	11/04/16 10:36	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/04/16 10:36	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/04/16 10:36	
2-Butanone (MEK)	ug/L	ND	25.0	11/04/16 10:36	
2-Hexanone	ug/L	ND	25.0	11/04/16 10:36	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/04/16 10:36	
Acetone	ug/L	ND	100	11/04/16 10:36	
Benzene	ug/L	ND	5.0	11/04/16 10:36	
Bromodichloromethane	ug/L	ND	5.0	11/04/16 10:36	
Bromoform	ug/L	ND	5.0	11/04/16 10:36	
Bromomethane	ug/L	ND	5.0	11/04/16 10:36	
Carbon disulfide	ug/L	ND	10.0	11/04/16 10:36	
Carbon tetrachloride	ug/L	ND	5.0	11/04/16 10:36	
Chlorobenzene	ug/L	ND	5.0	11/04/16 10:36	
Chloroethane	ug/L	ND	5.0	11/04/16 10:36	
Chloroform	ug/L	ND	5.0	11/04/16 10:36	
Chloromethane	ug/L	ND	5.0	11/04/16 10:36	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/04/16 10:36	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/04/16 10:36	
Cyclohexane	ug/L	ND	100	11/04/16 10:36	N2
Dibromochloromethane	ug/L	ND	5.0	11/04/16 10:36	
Dichlorodifluoromethane	ug/L	ND	5.0	11/04/16 10:36	
Ethylbenzene	ug/L	ND	5.0	11/04/16 10:36	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/04/16 10:36	
Methyl acetate	ug/L	ND	50.0	11/04/16 10:36	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/04/16 10:36	
Methylcyclohexane	ug/L	ND	50.0	11/04/16 10:36	N2
Methylene Chloride	ug/L	3.6J	5.0	11/04/16 10:36	
Styrene	ug/L	ND	5.0	11/04/16 10:36	
Tetrachloroethene	ug/L	ND	5.0	11/04/16 10:36	

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QUALITY CONTROL DATA

Project: Kokomo - Racer

Pace Project No.: 50158136

METHOD BLANK: 1663060

Matrix: Water

Associated Lab Samples: 50158136001, 50158136002, 50158136003, 50158136004, 50158136005, 50158136006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	0.86J	5.0	11/04/16 10:36	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/04/16 10:36	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/04/16 10:36	
Trichloroethene	ug/L	ND	5.0	11/04/16 10:36	
Trichlorofluoromethane	ug/L	ND	5.0	11/04/16 10:36	
Vinyl chloride	ug/L	ND	2.0	11/04/16 10:36	
Xylene (Total)	ug/L	ND	10.0	11/04/16 10:36	
4-Bromofluorobenzene (S)	%	102	79-116	11/04/16 10:36	
Dibromofluoromethane (S)	%	103	84-118	11/04/16 10:36	
Toluene-d8 (S)	%	97	86-110	11/04/16 10:36	

LABORATORY CONTROL SAMPLE: 1663061

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.3	105	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	46.6	93	72-124	
1,1,2-Trichloroethane	ug/L	50	47.2	94	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	43.1	86	80-111	
1,1-Dichloroethane	ug/L	50	40.2	80	70-120	
1,1-Dichloroethene	ug/L	50	41.5	83	69-127	
1,2,4-Trichlorobenzene	ug/L	50	50.1	100	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	47.0	94	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	49.3	99	76-125	
1,2-Dichlorobenzene	ug/L	50	46.8	94	77-122	
1,2-Dichloroethane	ug/L	50	47.4	95	70-123	
1,2-Dichloropropane	ug/L	50	46.1	92	77-124	
1,3-Dichlorobenzene	ug/L	50	47.9	96	76-124	
1,4-Dichlorobenzene	ug/L	50	47.6	95	75-117	
2-Butanone (MEK)	ug/L	250	331	132	60-135	
2-Hexanone	ug/L	250	259	104	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	207	83	66-134	
Acetone	ug/L	250	339	136	47-144	
Benzene	ug/L	50	48.1	96	76-122	
Bromodichloromethane	ug/L	50	50.1	100	71-124	
Bromoform	ug/L	50	48.1	96	60-125	
Bromomethane	ug/L	50	49.0	98	23-194	
Carbon disulfide	ug/L	50	39.3	79	63-130	
Carbon tetrachloride	ug/L	50	54.8	110	73-133	
Chlorobenzene	ug/L	50	46.9	94	76-118	
Chloroethane	ug/L	50	39.1	78	50-147	
Chloroform	ug/L	50	48.5	97	70-119	
Chloromethane	ug/L	50	31.7	63	52-136	
cis-1,2-Dichloroethene	ug/L	50	48.4	97	74-120	
cis-1,3-Dichloropropene	ug/L	50	51.3	103	71-134	

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QUALITY CONTROL DATA

Project: Kokomo - Racer

Pace Project No.: 50158136

LABORATORY CONTROL SAMPLE: 1663061

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	46.5J	93	86-122	N2
Dibromochloromethane	ug/L	50	51.9	104	73-127	
Dichlorodifluoromethane	ug/L	50	48.9	98	39-166	
Ethylbenzene	ug/L	50	48.9	98	75-123	
Isopropylbenzene (Cumene)	ug/L	50	49.1	98	84-134	
Methyl acetate	ug/L	50	51.1	102	68-192	N2
Methyl-tert-butyl ether	ug/L	50	40.6	81	65-131	
Methylcyclohexane	ug/L	50	49.2J	98	89-122	N2
Methylene Chloride	ug/L	50	43.0	86	66-130	
Styrene	ug/L	50	49.2	98	78-128	
Tetrachloroethene	ug/L	50	49.6	99	69-119	
Toluene	ug/L	50	44.5	89	74-122	
trans-1,2-Dichloroethene	ug/L	50	42.0	84	72-122	
trans-1,3-Dichloropropene	ug/L	50	51.9	104	66-135	
Trichloroethene	ug/L	50	49.8	100	75-123	
Trichlorofluoromethane	ug/L	50	51.7	103	58-148	
Vinyl chloride	ug/L	50	40.3	81	61-147	
Xylene (Total)	ug/L	150	148	99	75-127	
4-Bromofluorobenzene (S)	%			99	79-116	
Dibromofluoromethane (S)	%			101	84-118	
Toluene-d8 (S)	%			98	86-110	

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QUALITY CONTROL DATA

Project: Kokomo - Racer

Pace Project No.: 50158136

QC Batch: 359884 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50158136012, 50158136013, 50158136014

METHOD BLANK: 1663183 Matrix: Water

Associated Lab Samples: 50158136012, 50158136013, 50158136014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/04/16 11:16	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/04/16 11:16	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/04/16 11:16	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/04/16 11:16	
1,1-Dichloroethane	ug/L	ND	5.0	11/04/16 11:16	
1,1-Dichloroethene	ug/L	ND	5.0	11/04/16 11:16	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/04/16 11:16	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/04/16 11:16	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/04/16 11:16	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/04/16 11:16	
1,2-Dichloroethane	ug/L	ND	5.0	11/04/16 11:16	
1,2-Dichloropropane	ug/L	ND	5.0	11/04/16 11:16	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/04/16 11:16	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/04/16 11:16	
2-Butanone (MEK)	ug/L	ND	25.0	11/04/16 11:16	
2-Hexanone	ug/L	ND	25.0	11/04/16 11:16	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/04/16 11:16	
Acetone	ug/L	ND	100	11/04/16 11:16	
Benzene	ug/L	ND	5.0	11/04/16 11:16	
Bromodichloromethane	ug/L	ND	5.0	11/04/16 11:16	
Bromoform	ug/L	ND	5.0	11/04/16 11:16	
Bromomethane	ug/L	ND	5.0	11/04/16 11:16	
Carbon disulfide	ug/L	ND	10.0	11/04/16 11:16	
Carbon tetrachloride	ug/L	ND	5.0	11/04/16 11:16	
Chlorobenzene	ug/L	ND	5.0	11/04/16 11:16	
Chloroethane	ug/L	ND	5.0	11/04/16 11:16	
Chloroform	ug/L	ND	5.0	11/04/16 11:16	
Chloromethane	ug/L	ND	5.0	11/04/16 11:16	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/04/16 11:16	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/04/16 11:16	
Cyclohexane	ug/L	ND	100	11/04/16 11:16	N2
Dibromochloromethane	ug/L	ND	5.0	11/04/16 11:16	
Dichlorodifluoromethane	ug/L	ND	5.0	11/04/16 11:16	
Ethylbenzene	ug/L	ND	5.0	11/04/16 11:16	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/04/16 11:16	
Methyl acetate	ug/L	ND	50.0	11/04/16 11:16	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/04/16 11:16	
Methylcyclohexane	ug/L	ND	50.0	11/04/16 11:16	N2
Methylene Chloride	ug/L	ND	5.0	11/04/16 11:16	
Styrene	ug/L	ND	5.0	11/04/16 11:16	
Tetrachloroethene	ug/L	ND	5.0	11/04/16 11:16	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Kokomo - Racer

Pace Project No.: 50158136

METHOD BLANK: 1663183

Matrix: Water

Associated Lab Samples: 50158136012, 50158136013, 50158136014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/04/16 11:16	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/04/16 11:16	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/04/16 11:16	
Trichloroethene	ug/L	ND	5.0	11/04/16 11:16	
Trichlorofluoromethane	ug/L	ND	5.0	11/04/16 11:16	
Vinyl chloride	ug/L	ND	2.0	11/04/16 11:16	
Xylene (Total)	ug/L	ND	10.0	11/04/16 11:16	
4-Bromofluorobenzene (S)	%	102	79-116	11/04/16 11:16	
Dibromofluoromethane (S)	%	103	84-118	11/04/16 11:16	
Toluene-d8 (S)	%	92	86-110	11/04/16 11:16	

LABORATORY CONTROL SAMPLE: 1663184

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.5	95	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	44.2	88	72-124	
1,1-Dichloroethene	ug/L	50	51.5	103	69-127	
1,2-Dichloropropane	ug/L	50	50.4	101	77-124	
Benzene	ug/L	50	48.7	97	76-122	
Chlorobenzene	ug/L	50	42.9	86	76-118	
Chloroform	ug/L	50	46.8	94	70-119	
cis-1,2-Dichloroethene	ug/L	50	49.6	99	74-120	
Ethylbenzene	ug/L	50	45.5	91	75-123	
Isopropylbenzene (Cumene)	ug/L	50	42.9	86	84-134	
Methyl-tert-butyl ether	ug/L	50	48.6	97	65-131	
Tetrachloroethene	ug/L	50	44.6	89	69-119	
Toluene	ug/L	50	42.6	85	74-122	
trans-1,2-Dichloroethene	ug/L	50	51.7	103	72-122	
Trichloroethene	ug/L	50	48.3	97	75-123	
Vinyl chloride	ug/L	50	67.4	135	61-147	
Xylene (Total)	ug/L	150	128	85	75-127	
4-Bromofluorobenzene (S)	%			97	79-116	
Dibromofluoromethane (S)	%			98	84-118	
Toluene-d8 (S)	%			91	86-110	

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QUALITY CONTROL DATA

Project: Kokomo - Racer

Pace Project No.: 50158136

QC Batch: 359885 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50158136010, 50158136011, 50158136015

METHOD BLANK: 1663185 Matrix: Water

Associated Lab Samples: 50158136010, 50158136011, 50158136015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/04/16 11:35	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/04/16 11:35	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/04/16 11:35	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/04/16 11:35	
1,1-Dichloroethane	ug/L	ND	5.0	11/04/16 11:35	
1,1-Dichloroethene	ug/L	ND	5.0	11/04/16 11:35	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/04/16 11:35	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/04/16 11:35	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/04/16 11:35	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/04/16 11:35	
1,2-Dichloroethane	ug/L	ND	5.0	11/04/16 11:35	
1,2-Dichloropropane	ug/L	ND	5.0	11/04/16 11:35	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/04/16 11:35	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/04/16 11:35	
2-Butanone (MEK)	ug/L	ND	25.0	11/04/16 11:35	
2-Hexanone	ug/L	ND	25.0	11/04/16 11:35	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/04/16 11:35	
Acetone	ug/L	ND	100	11/04/16 11:35	
Benzene	ug/L	ND	5.0	11/04/16 11:35	
Bromodichloromethane	ug/L	ND	5.0	11/04/16 11:35	
Bromoform	ug/L	ND	5.0	11/04/16 11:35	
Bromomethane	ug/L	ND	5.0	11/04/16 11:35	
Carbon disulfide	ug/L	ND	10.0	11/04/16 11:35	
Carbon tetrachloride	ug/L	ND	5.0	11/04/16 11:35	
Chlorobenzene	ug/L	ND	5.0	11/04/16 11:35	
Chloroethane	ug/L	ND	5.0	11/04/16 11:35	
Chloroform	ug/L	ND	5.0	11/04/16 11:35	
Chloromethane	ug/L	ND	5.0	11/04/16 11:35	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/04/16 11:35	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/04/16 11:35	
Cyclohexane	ug/L	ND	100	11/04/16 11:35	N2
Dibromochloromethane	ug/L	ND	5.0	11/04/16 11:35	
Dichlorodifluoromethane	ug/L	ND	5.0	11/04/16 11:35	
Ethylbenzene	ug/L	ND	5.0	11/04/16 11:35	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/04/16 11:35	
Methyl acetate	ug/L	ND	50.0	11/04/16 11:35	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/04/16 11:35	
Methylcyclohexane	ug/L	ND	50.0	11/04/16 11:35	N2
Methylene Chloride	ug/L	ND	5.0	11/04/16 11:35	
Styrene	ug/L	ND	5.0	11/04/16 11:35	
Tetrachloroethene	ug/L	ND	5.0	11/04/16 11:35	

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QUALITY CONTROL DATA

Project: Kokomo - Racer

Pace Project No.: 50158136

METHOD BLANK: 1663185

Matrix: Water

Associated Lab Samples: 50158136010, 50158136011, 50158136015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/04/16 11:35	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/04/16 11:35	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/04/16 11:35	
Trichloroethene	ug/L	ND	5.0	11/04/16 11:35	
Trichlorofluoromethane	ug/L	ND	5.0	11/04/16 11:35	
Vinyl chloride	ug/L	ND	2.0	11/04/16 11:35	
Xylene (Total)	ug/L	ND	10.0	11/04/16 11:35	
4-Bromofluorobenzene (S)	%	102	79-116	11/04/16 11:35	
Dibromofluoromethane (S)	%	104	84-118	11/04/16 11:35	
Toluene-d8 (S)	%	96	86-110	11/04/16 11:35	

LABORATORY CONTROL SAMPLE: 1663186

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.9	100	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	46.6	93	72-124	
1,1-Dichloroethene	ug/L	50	54.9	110	69-127	
1,2-Dichloropropane	ug/L	50	52.6	105	77-124	
Benzene	ug/L	50	52.7	105	76-122	
Chlorobenzene	ug/L	50	45.7	91	76-118	
Chloroform	ug/L	50	49.8	100	70-119	
cis-1,2-Dichloroethene	ug/L	50	50.4	101	74-120	
Ethylbenzene	ug/L	50	47.5	95	75-123	
Isopropylbenzene (Cumene)	ug/L	50	46.3	93	84-134	
Methyl-tert-butyl ether	ug/L	50	52.6	105	65-131	
Tetrachloroethene	ug/L	50	48.3	97	69-119	
Toluene	ug/L	50	48.0	96	74-122	
trans-1,2-Dichloroethene	ug/L	50	53.9	108	72-122	
Trichloroethene	ug/L	50	48.8	98	75-123	
Vinyl chloride	ug/L	50	65.9	132	61-147	
Xylene (Total)	ug/L	150	137	92	75-127	
4-Bromofluorobenzene (S)	%			97	79-116	
Dibromofluoromethane (S)	%			98	84-118	
Toluene-d8 (S)	%			99	86-110	

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QUALITY CONTROL DATA

Project: Kokomo - Racer

Pace Project No.: 50158136

QC Batch: 359896 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50158136007, 50158136008, 50158136009, 50158136016

METHOD BLANK: 1663270 Matrix: Water
Associated Lab Samples: 50158136007, 50158136008, 50158136009, 50158136016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/04/16 01:38	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/04/16 01:38	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/04/16 01:38	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/04/16 01:38	
1,1-Dichloroethane	ug/L	ND	5.0	11/04/16 01:38	
1,1-Dichloroethene	ug/L	ND	5.0	11/04/16 01:38	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/04/16 01:38	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/04/16 01:38	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/04/16 01:38	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/04/16 01:38	
1,2-Dichloroethane	ug/L	ND	5.0	11/04/16 01:38	
1,2-Dichloropropane	ug/L	ND	5.0	11/04/16 01:38	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/04/16 01:38	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/04/16 01:38	
2-Butanone (MEK)	ug/L	ND	25.0	11/04/16 01:38	
2-Hexanone	ug/L	ND	25.0	11/04/16 01:38	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/04/16 01:38	
Acetone	ug/L	ND	100	11/04/16 01:38	
Benzene	ug/L	ND	5.0	11/04/16 01:38	
Bromodichloromethane	ug/L	ND	5.0	11/04/16 01:38	
Bromoform	ug/L	ND	5.0	11/04/16 01:38	
Bromomethane	ug/L	ND	5.0	11/04/16 01:38	
Carbon disulfide	ug/L	ND	10.0	11/04/16 01:38	
Carbon tetrachloride	ug/L	ND	5.0	11/04/16 01:38	
Chlorobenzene	ug/L	ND	5.0	11/04/16 01:38	
Chloroethane	ug/L	ND	5.0	11/04/16 01:38	
Chloroform	ug/L	ND	5.0	11/04/16 01:38	
Chloromethane	ug/L	ND	5.0	11/04/16 01:38	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/04/16 01:38	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/04/16 01:38	
Cyclohexane	ug/L	ND	100	11/04/16 01:38	N2
Dibromochloromethane	ug/L	ND	5.0	11/04/16 01:38	
Dichlorodifluoromethane	ug/L	ND	5.0	11/04/16 01:38	
Ethylbenzene	ug/L	ND	5.0	11/04/16 01:38	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/04/16 01:38	
Methyl acetate	ug/L	ND	50.0	11/04/16 01:38	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/04/16 01:38	
Methylcyclohexane	ug/L	ND	50.0	11/04/16 01:38	N2
Methylene Chloride	ug/L	4.3J	5.0	11/04/16 01:38	
Styrene	ug/L	ND	5.0	11/04/16 01:38	
Tetrachloroethene	ug/L	ND	5.0	11/04/16 01:38	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Kokomo - Racer

Pace Project No.: 50158136

METHOD BLANK: 1663270

Matrix: Water

Associated Lab Samples: 50158136007, 50158136008, 50158136009, 50158136016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/04/16 01:38	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/04/16 01:38	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/04/16 01:38	
Trichloroethene	ug/L	ND	5.0	11/04/16 01:38	
Trichlorofluoromethane	ug/L	ND	5.0	11/04/16 01:38	
Vinyl chloride	ug/L	ND	2.0	11/04/16 01:38	
Xylene (Total)	ug/L	ND	10.0	11/04/16 01:38	
4-Bromofluorobenzene (S)	%	90	79-116	11/04/16 01:38	
Dibromofluoromethane (S)	%	98	84-118	11/04/16 01:38	
Toluene-d8 (S)	%	103	86-110	11/04/16 01:38	

LABORATORY CONTROL SAMPLE: 1663271

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	46.8	94	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	49.3	99	72-124	
1,1,2-Trichloroethane	ug/L	50	45.7	91	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	50.0	100	80-111	
1,1-Dichloroethane	ug/L	50	43.8	88	70-120	
1,1-Dichloroethene	ug/L	50	53.0	106	69-127	
1,2,4-Trichlorobenzene	ug/L	50	41.9	84	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	44.7	89	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	51.1	102	76-125	
1,2-Dichlorobenzene	ug/L	50	51.2	102	77-122	
1,2-Dichloroethane	ug/L	50	40.8	82	70-123	
1,2-Dichloropropane	ug/L	50	48.0	96	77-124	
1,3-Dichlorobenzene	ug/L	50	48.4	97	76-124	
1,4-Dichlorobenzene	ug/L	50	47.7	95	75-117	
2-Butanone (MEK)	ug/L	250	246	98	60-135	
2-Hexanone	ug/L	250	300	120	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	265	106	66-134	
Acetone	ug/L	250	243	97	47-144	
Benzene	ug/L	50	45.8	92	76-122	
Bromodichloromethane	ug/L	50	45.9	92	71-124	
Bromoform	ug/L	50	46.7	93	60-125	
Bromomethane	ug/L	50	36.8	74	23-194	
Carbon disulfide	ug/L	50	60.6	121	63-130	
Carbon tetrachloride	ug/L	50	48.8	98	73-133	
Chlorobenzene	ug/L	50	44.3	89	76-118	
Chloroethane	ug/L	50	45.8	92	50-147	
Chloroform	ug/L	50	43.8	88	70-119	
Chloromethane	ug/L	50	49.4	99	52-136	
cis-1,2-Dichloroethene	ug/L	50	44.5	89	74-120	
cis-1,3-Dichloropropene	ug/L	50	46.1	92	71-134	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Kokomo - Racer

Pace Project No.: 50158136

LABORATORY CONTROL SAMPLE: 1663271

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	49.6J	99	86-122	N2
Dibromochloromethane	ug/L	50	46.8	94	73-127	
Dichlorodifluoromethane	ug/L	50	46.7	93	39-166	
Ethylbenzene	ug/L	50	47.7	95	75-123	
Isopropylbenzene (Cumene)	ug/L	50	51.4	103	84-134	
Methyl acetate	ug/L	50	77.1	154	68-192	N2
Methyl-tert-butyl ether	ug/L	50	51.5	103	65-131	
Methylcyclohexane	ug/L	50	48.0J	96	89-122	N2
Methylene Chloride	ug/L	50	65.8	132	66-130	L0
Styrene	ug/L	50	51.6	103	78-128	
Tetrachloroethene	ug/L	50	42.7	85	69-119	
Toluene	ug/L	50	48.0	96	74-122	
trans-1,2-Dichloroethene	ug/L	50	52.4	105	72-122	
trans-1,3-Dichloropropene	ug/L	50	47.3	95	66-135	
Trichloroethene	ug/L	50	41.8	84	75-123	
Trichlorofluoromethane	ug/L	50	51.7	103	58-148	
Vinyl chloride	ug/L	50	48.5	97	61-147	
Xylene (Total)	ug/L	150	151	101	75-127	
4-Bromofluorobenzene (S)	%			97	79-116	
Dibromofluoromethane (S)	%			96	84-118	
Toluene-d8 (S)	%			98	86-110	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Kokomo - Racer
Pace Project No.: 50158136

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

C9 Common Laboratory Contaminant.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Kokomo - Racer

Pace Project No.: 50158136

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50158136001	TB-01 (110316)	EPA 8260	359860		
50158136002	SB-1603 (39-42)	EPA 8260	359860		
50158136003	SB-1603 (36-39)	EPA 8260	359860		
50158136004	SB-1603 (33-36)	EPA 8260	359860		
50158136005	SB-1603 (30-33)	EPA 8260	359860		
50158136006	SB-1603 (27-30)	EPA 8260	359860		
50158136007	SB-1603 (24-27)	EPA 8260	359896		
50158136008	SB-1604 (40-43)	EPA 8260	359896		
50158136009	SB-1604 (37-40)	EPA 8260	359896		
50158136010	SB-1604 (34-37)	EPA 8260	359885		
50158136011	SB-1604 (31-34)	EPA 8260	359885		
50158136012	SB-1604 (28-31)	EPA 8260	359884		
50158136013	SB-1604 (25-28)	EPA 8260	359884		
50158136014	SB-1604 (22-25)	EPA 8260	359884		
50158136015	DUP-01 (110316)	EPA 8260	359885		
50158136016	DUP-02 (110316)	EPA 8260	359896		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

5015 8134

Section A Required Client Information: **Section B** Required Project Information: **Section C** Invoice Information:

Company: ALCANIS	Report To: SCSSE WISCT	Attention: WMS	Page: 1 of 2
Address: 132 E Washington St	Copy To: part 6 files	Company Name: ALCANIS	Page: 2 of 2
Contact: 141 46204	Purchase Order No: 11000334 2016	Address: 15 # 2647	Page: 3 of 3
Email To: 1555 1464 45	Project Name: Kelono - PACER	Reference: Kelono - PACER	Page: 4 of 4
Phone: 1555 1464 45	Project Number: 11000334 2016	Site Location: 11/3/16	Page: 5 of 5
Requested Due Date: 11/3/16	Requested Analysis Filtered (Y/N): 11/3/16	Regulatory Agency: NPDES	Page: 6 of 6
		Ground Water: GROUND WATER	Page: 7 of 7
		Drinking Water: DRINKING WATER	Page: 8 of 8
		Other: OTHER	Page: 9 of 9

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	76-01110316	Drinking Water	DW	GRAB	11/3/16	0800	11/3/16	0800	30	3	X	X	X	X	X	X	X	X	X	X	001
2	58-1603 (34-42)	Water	WT	GRAB	11/3/16	0850	11/3/16	0850	30	3	X	X	X	X	X	X	X	X	X	X	002
3	58-1603 (36-34)	Waste Water	WW	GRAB	11/3/16	0925	11/3/16	0925	30	3	X	X	X	X	X	X	X	X	X	X	003
4	58-1603 (33-36)	Product	P	GRAB	11/3/16	1040	11/3/16	1040	30	3	X	X	X	X	X	X	X	X	X	X	004
5	58-1603 (30-33)	Soil/Solid	SL	GRAB	11/3/16	1115	11/3/16	1115	30	3	X	X	X	X	X	X	X	X	X	X	005
6	58-1603 (33-30)	Oil	OL	GRAB	11/3/16	1135	11/3/16	1135	30	3	X	X	X	X	X	X	X	X	X	X	006
7	58-1603 (24-23)	Wipe	WP	GRAB	11/3/16	1200	11/3/16	1200	30	3	X	X	X	X	X	X	X	X	X	X	007
8	58-1604 (40-43)	Air	AR	GRAB	11/3/16	1345	11/3/16	1345	30	3	X	X	X	X	X	X	X	X	X	X	008
9	58-1604 (33-40)	Tissue	TS	GRAB	11/3/16	1340	11/3/16	1340	30	3	X	X	X	X	X	X	X	X	X	X	009
10	58-1604 (34-37)	Other	OT	GRAB	11/3/16	1410	11/3/16	1410	30	3	X	X	X	X	X	X	X	X	X	X	010
11	58-1604 (31-34)			GRAB	11/3/16	1435	11/3/16	1435	30	3	X	X	X	X	X	X	X	X	X	X	011
12	58-1604 (28-31)			GRAB	11/3/16	1500	11/3/16	1500	30	3	X	X	X	X	X	X	X	X	X	X	012

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION

DATE

TIME

ACCEPTED BY / AFFILIATION

DATE

TIME

SAMPLE CONDITIONS

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY):

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Section B
Required Project Information:

Section C
Invoice Information:

Company: ADLCAIS	Report To: Jesse Wright	Attention: Jesse Wright	Company Name: ADLCAIS	REGULATORY AGENCY: NPDES
Address: 1722 E. Washington St.	Copy To: Paul K. Hines	Address: 1722 E. Washington St.	Address: 1722 E. Washington St.	☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
City: Indianapolis, IN 46204	Purchase Order No.: W000884.2016	Address: 1722 E. Washington St.	Address: 1722 E. Washington St.	☐ UST ☐ RCRA
State: IN	Project Name: Kokomo Paces	Address: 1722 E. Washington St.	Address: 1722 E. Washington St.	☐ OTHER
Phone: 317.271.6450	Project Number: W000884.2016	Address: 1722 E. Washington St.	Address: 1722 E. Washington St.	
Requested Date: 11/23/16	Project Number: W000884.2016	Address: 1722 E. Washington St.	Address: 1722 E. Washington St.	
Requested Date: 11/23/16	Project Number: W000884.2016	Address: 1722 E. Washington St.	Address: 1722 E. Washington St.	

ITEM #	Section D Required Client Information	Matrix Codes MATRIX L CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab ID.
					COMPOSITE START	COMPOSITE END/GRAB							
1	SB-1604 (25-28)	DW	UTG	---	11/31	1535	3X	3X		XXXX			013
2	SB-1604 (22-25)	WT	---	---	---	---	3X	3X		XXXX			014
3	SB-1604 (22-25)	WW	---	---	---	---	3X	3X		XXXX			015
4	SB-1604 (22-25)	P	---	---	---	---	3X	3X		XXXX			016
5	SB-1604 (22-25)	SL	---	---	---	---	3X	3X		XXXX			
6	SB-1604 (22-25)	OL	---	---	---	---	3X	3X		XXXX			
7	SB-1604 (22-25)	WP	---	---	---	---	3X	3X		XXXX			
8	SB-1604 (22-25)	AR	---	---	---	---	3X	3X		XXXX			
9	SB-1604 (22-25)	TS	---	---	---	---	3X	3X		XXXX			
10	SB-1604 (22-25)	OT	---	---	---	---	3X	3X		XXXX			
11	SB-1604 (22-25)		---	---	---	---	3X	3X		XXXX			
12	SB-1604 (22-25)		---	---	---	---	3X	3X		XXXX			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Mac + Day TAT	Mac + Day TAT	11/23/16	1535	Mac + Day TAT	11/23/16	1535	Temp in °C: 15.0 Received on Ice (Y/N): Y Custody Sealed Cooler (Y/N): N Samples Intact (Y/N): N
Mac + Day TAT	Mac + Day TAT	11/23/16	1755	Mac + Day TAT	11/23/16	1755	

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis

Project # 50158136

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other foam

Thermometer 1 2 3 4 5 6 A B C D E F

Type of Ice: Wet Blue None ☒ Samples on ice, cooling process has begun

Cooler Temperature 1.5°C / 1.5°C
(Initial/Corrected)

Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: MB 11/3/16

Are samples from West Virginia?	☐ Yes ☒ No	1.
Document any containers out of temp.		
Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	3.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	4.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☐ No ☒ N/A	6.
Rush Turn Around Time Requested:	☒ Yes ☐ No ☐ N/A	7. <u>24 hour MB</u>
Containers Intact:	☒ Yes ☐ No ☐ N/A	8. <u>1 vial trip blank rework broken MB</u>
Sample Labels match COC:	☐ Yes ☒ No ☐ N/A	9. <u>SB-1608(22-25) on 2 vials but no 1608(22-25) on COC MB</u>
-Includes date/time/ID/Analysis		
All containers needing acid/base pres. have been checked?	☐ Yes ☐ No ☒ N/A	10
exceptions: VOA, coliform, TOC, O&G		(Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	<u>NA</u>	11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)	<u>NA</u>	12. Present Absent
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	13
Headspace Wisconsin Sulfide	☐ Yes ☐ No <u>NA</u>	14
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	15
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	15.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	16.
Correct Containers Used:	☐ Yes ☐ No ☐ N/A	17.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: * no date or time on vials MB 11/3/16

Project Manager Review: [Signature]

Date: 11/3/16

CLIENT: Arcadi's

Project # 50150136

Sample Line Item	
<u>QG9</u>	
<G9	
AG1U WGFU AG0U R 4 /6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H BP3C BP1U SP5T AG2U	

pH < 2 pH > 9 pH > 12

	(new 3 but 1 new broken mg 11/3/16)	
1	w	
2	w	
3	w	
4	w	
5	w	
6	w	
7	w	
8	w	
9	w	
10	w	
11	w	
12	w	
		WT ←

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFU	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Araditi

Project # 58150136

Sample Line

AG1U WGFU AG0U R 4/6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H BP3C BP1U SP5T AG2U

pH < 2 pH > 9 pH > 12

[illegible]

Container Codes							
DG9H	40mL HCl amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCl amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCl clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCl clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCl
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFY	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

November 04, 2016

Jesse Wright
Arcadis U.S., Inc.
132 E. Washington Street
Suite 600
Indianapolis, IN 46204

RE: Project: Kokomo-Racer
Pace Project No.: 50158148

Dear Jesse Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on November 04, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Donna Spyker for
Kelly Jones
kelly.jones@pacelabs.com
Project Manager

Enclosures

cc: Ms. Sarah Fisher, Arcadis
Mr. Luke Martin, Arcadis
Ms. Lauren Werckenthien, Arcadis



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Kokomo-Racer

Pace Project No.: 50158148

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas/NELAP Certification #:E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #:98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

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SAMPLE SUMMARY

Project: Kokomo-Racer

Pace Project No.: 50158148

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50158148001	TB-02 (110316)	Water	11/03/16 16:00	11/04/16 08:15
50158148002	SB-1605 (43-46)	Water	11/03/16 16:35	11/04/16 08:15
50158148003	SB-1605 (40-43)	Water	11/03/16 16:55	11/04/16 08:15
50158148004	SB-1605 (37-40)	Water	11/03/16 17:20	11/04/16 08:15
50158148005	SB-1605 (34-37)	Water	11/03/16 17:45	11/04/16 08:15
50158148006	SB-1605 (31-34)	Water	11/03/16 18:00	11/04/16 08:15
50158148007	SB-1605 (28-31)	Water	11/03/16 18:25	11/04/16 08:15
50158148008	SB-1605 (25-28)	Water	11/03/16 18:50	11/04/16 08:15

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SAMPLE ANALYTE COUNT

Project: Kokomo-Racer

Pace Project No.: 50158148

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50158148001	TB-02 (110316)	EPA 8260	CAP	51
50158148002	SB-1605 (43-46)	EPA 8260	CAP, TMW	51
50158148003	SB-1605 (40-43)	EPA 8260	CAP, TMW	51
50158148004	SB-1605 (37-40)	EPA 8260	CAP	51
50158148005	SB-1605 (34-37)	EPA 8260	CAP, JLZ	51
50158148006	SB-1605 (31-34)	EPA 8260	CAP, TMW	51
50158148007	SB-1605 (28-31)	EPA 8260	CAP	51
50158148008	SB-1605 (25-28)	EPA 8260	CAP	51

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SUMMARY OF DETECTION

Project: Kokomo-Racer

Pace Project No.: 50158148

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158148001	TB-02 (110316)					
EPA 8260	Methylene Chloride	0.78J	ug/L	5.0	11/04/16 12:31	
50158148002	SB-1605 (43-46)					
EPA 8260	cis-1,2-Dichloroethene	183	ug/L	5.0	11/04/16 13:06	
EPA 8260	trans-1,2-Dichloroethene	29.9	ug/L	5.0	11/04/16 13:06	
EPA 8260	Toluene	0.39J	ug/L	5.0	11/04/16 13:06	
EPA 8260	Trichloroethene	565	ug/L	50.0	11/04/16 14:06	
50158148003	SB-1605 (40-43)					
EPA 8260	1,1-Dichloroethene	0.26J	ug/L	5.0	11/04/16 13:40	
EPA 8260	cis-1,2-Dichloroethene	170	ug/L	5.0	11/04/16 13:40	
EPA 8260	trans-1,2-Dichloroethene	23.9	ug/L	5.0	11/04/16 13:40	
EPA 8260	Toluene	0.26J	ug/L	5.0	11/04/16 13:40	
EPA 8260	Trichloroethene	714	ug/L	50.0	11/04/16 14:43	
50158148004	SB-1605 (37-40)					
EPA 8260	cis-1,2-Dichloroethene	135	ug/L	50.0	11/04/16 14:14	
EPA 8260	trans-1,2-Dichloroethene	13.6J	ug/L	50.0	11/04/16 14:14	
EPA 8260	Ethylbenzene	3.8J	ug/L	50.0	11/04/16 14:14	
EPA 8260	Methylene Chloride	14.2J	ug/L	50.0	11/04/16 14:14	
EPA 8260	Trichloroethene	357	ug/L	50.0	11/04/16 14:14	
50158148005	SB-1605 (34-37)					
EPA 8260	1,1-Dichloroethene	0.31J	ug/L	5.0	11/04/16 12:48	
EPA 8260	cis-1,2-Dichloroethene	149	ug/L	5.0	11/04/16 12:48	
EPA 8260	trans-1,2-Dichloroethene	17.6	ug/L	5.0	11/04/16 12:48	
EPA 8260	Trichloroethene	601	ug/L	50.0	11/04/16 13:46	
EPA 8260	Vinyl chloride	0.11J	ug/L	2.0	11/04/16 12:48	
50158148006	SB-1605 (31-34)					
EPA 8260	1,1-Dichloroethene	0.86J	ug/L	5.0	11/04/16 13:23	
EPA 8260	cis-1,2-Dichloroethene	276	ug/L	5.0	11/04/16 13:23	
EPA 8260	trans-1,2-Dichloroethene	44.5	ug/L	5.0	11/04/16 13:23	
EPA 8260	Toluene	0.23J	ug/L	5.0	11/04/16 13:23	
EPA 8260	Trichloroethene	5510	ug/L	250	11/04/16 15:02	
EPA 8260	Vinyl chloride	0.32J	ug/L	2.0	11/04/16 13:23	
50158148007	SB-1605 (28-31)					
EPA 8260	Benzene	0.21J	ug/L	5.0	11/04/16 13:57	
EPA 8260	Chloroform	0.26J	ug/L	5.0	11/04/16 13:57	
EPA 8260	1,1-Dichloroethene	0.86J	ug/L	5.0	11/04/16 13:57	
EPA 8260	cis-1,2-Dichloroethene	272	ug/L	5.0	11/04/16 13:57	
EPA 8260	trans-1,2-Dichloroethene	42.2	ug/L	5.0	11/04/16 13:57	
EPA 8260	Toluene	0.39J	ug/L	5.0	11/04/16 13:57	
EPA 8260	Trichloroethene	4520	ug/L	250	11/04/16 15:05	
EPA 8260	Vinyl chloride	0.51J	ug/L	2.0	11/04/16 13:57	
50158148008	SB-1605 (25-28)					
EPA 8260	cis-1,2-Dichloroethene	315	ug/L	50.0	11/04/16 14:31	
EPA 8260	trans-1,2-Dichloroethene	42.5J	ug/L	50.0	11/04/16 14:31	

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SUMMARY OF DETECTION

Project: Kokomo-Racer

Pace Project No.: 50158148

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158148008	SB-1605 (25-28)					
EPA 8260	Trichloroethene	6020	ug/L	125	11/04/16 15:22	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: TB-02 (110316)		Lab ID: 50158148001	Collected: 11/03/16 16:00	Received: 11/04/16 08:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 12:31	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 12:31	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 12:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 12:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 12:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 12:31	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 12:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 12:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 12:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 12:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 12:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 12:31	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 12:31	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 12:31	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 12:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 12:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 12:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 12:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/16 12:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/04/16 12:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 12:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 12:31	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 12:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 12:31	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 12:31	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 12:31	108-87-2	N2
Methylene Chloride	0.78J	ug/L	5.0	1		11/04/16 12:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 12:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 12:31	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 12:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 12:31	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 12:31	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/16 12:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:31	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/04/16 12:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 12:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 12:31	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/04/16 12:31	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: TB-02 (110316)		Lab ID: 50158148001		Collected: 11/03/16 16:00		Received: 11/04/16 08:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 12:31	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	1		11/04/16 12:31	1868-53-7	
4-Bromofluorobenzene (S)		94	%.	79-116	1		11/04/16 12:31	460-00-4	
Toluene-d8 (S)		99	%.	86-110	1		11/04/16 12:31	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: SB-1605 (43-46)		Lab ID: 50158148002	Collected: 11/03/16 16:35	Received: 11/04/16 08:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 13:06	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 13:06	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 13:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 13:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 13:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 13:06	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 13:06	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 13:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 13:06	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 13:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 13:06	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 13:06	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 13:06	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 13:06	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 13:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 13:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 13:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 13:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 13:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/04/16 13:06	75-35-4	
cis-1,2-Dichloroethene	183	ug/L	5.0	1		11/04/16 13:06	156-59-2	
trans-1,2-Dichloroethene	29.9	ug/L	5.0	1		11/04/16 13:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 13:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 13:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 13:06	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 13:06	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 13:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 13:06	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 13:06	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 13:06	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 13:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 13:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 13:06	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 13:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 13:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 13:06	127-18-4	
Toluene	0.39J	ug/L	5.0	1		11/04/16 13:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 13:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 13:06	79-00-5	
Trichloroethene	565	ug/L	50.0	10		11/04/16 14:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 13:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 13:06	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/04/16 13:06	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: SB-1605 (43-46)		Lab ID: 50158148002		Collected: 11/03/16 16:35		Received: 11/04/16 08:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 13:06	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		94	%.	84-118	1		11/04/16 13:06	1868-53-7	
4-Bromofluorobenzene (S)		94	%.	79-116	1		11/04/16 13:06	460-00-4	
Toluene-d8 (S)		101	%.	86-110	1		11/04/16 13:06	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: SB-1605 (40-43)		Lab ID: 50158148003	Collected: 11/03/16 16:55	Received: 11/04/16 08:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 13:40	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 13:40	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 13:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 13:40	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 13:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 13:40	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 13:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 13:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 13:40	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 13:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 13:40	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 13:40	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 13:40	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 13:40	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 13:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 13:40	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 13:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 13:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 13:40	107-06-2	
1,1-Dichloroethene	0.26J	ug/L	5.0	1		11/04/16 13:40	75-35-4	
cis-1,2-Dichloroethene	170	ug/L	5.0	1		11/04/16 13:40	156-59-2	
trans-1,2-Dichloroethene	23.9	ug/L	5.0	1		11/04/16 13:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 13:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 13:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 13:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 13:40	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 13:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 13:40	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 13:40	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 13:40	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 13:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 13:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 13:40	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 13:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 13:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 13:40	127-18-4	
Toluene	0.26J	ug/L	5.0	1		11/04/16 13:40	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 13:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 13:40	79-00-5	
Trichloroethene	714	ug/L	50.0	10		11/04/16 14:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 13:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 13:40	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/04/16 13:40	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: SB-1605 (40-43)		Lab ID: 50158148003		Collected: 11/03/16 16:55		Received: 11/04/16 08:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 13:40	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		95	%.	84-118	1		11/04/16 13:40	1868-53-7	
4-Bromofluorobenzene (S)		97	%.	79-116	1		11/04/16 13:40	460-00-4	
Toluene-d8 (S)		102	%.	86-110	1		11/04/16 13:40	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: SB-1605 (37-40)		Lab ID: 50158148004	Collected: 11/03/16 17:20	Received: 11/04/16 08:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	1000	10		11/04/16 14:14	67-64-1	
Benzene	ND	ug/L	50.0	10		11/04/16 14:14	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		11/04/16 14:14	75-27-4	
Bromoform	ND	ug/L	50.0	10		11/04/16 14:14	75-25-2	
Bromomethane	ND	ug/L	50.0	10		11/04/16 14:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		11/04/16 14:14	78-93-3	
Carbon disulfide	ND	ug/L	100	10		11/04/16 14:14	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		11/04/16 14:14	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		11/04/16 14:14	108-90-7	
Chloroethane	ND	ug/L	50.0	10		11/04/16 14:14	75-00-3	
Chloroform	ND	ug/L	50.0	10		11/04/16 14:14	67-66-3	
Chloromethane	ND	ug/L	50.0	10		11/04/16 14:14	74-87-3	
Cyclohexane	ND	ug/L	1000	10		11/04/16 14:14	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		11/04/16 14:14	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		11/04/16 14:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		11/04/16 14:14	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		11/04/16 14:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		11/04/16 14:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		11/04/16 14:14	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		11/04/16 14:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		11/04/16 14:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		11/04/16 14:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		11/04/16 14:14	75-35-4	
cis-1,2-Dichloroethene	135	ug/L	50.0	10		11/04/16 14:14	156-59-2	
trans-1,2-Dichloroethene	13.6J	ug/L	50.0	10		11/04/16 14:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		11/04/16 14:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		11/04/16 14:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		11/04/16 14:14	10061-02-6	
Ethylbenzene	3.8J	ug/L	50.0	10		11/04/16 14:14	100-41-4	
2-Hexanone	ND	ug/L	250	10		11/04/16 14:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		11/04/16 14:14	98-82-8	
Methyl acetate	ND	ug/L	500	10		11/04/16 14:14	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		11/04/16 14:14	108-87-2	N2
Methylene Chloride	14.2J	ug/L	50.0	10		11/04/16 14:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		11/04/16 14:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		11/04/16 14:14	1634-04-4	
Styrene	ND	ug/L	50.0	10		11/04/16 14:14	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		11/04/16 14:14	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		11/04/16 14:14	127-18-4	
Toluene	ND	ug/L	50.0	10		11/04/16 14:14	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		11/04/16 14:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		11/04/16 14:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		11/04/16 14:14	79-00-5	
Trichloroethene	357	ug/L	50.0	10		11/04/16 14:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		11/04/16 14:14	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		11/04/16 14:14	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		11/04/16 14:14	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: SB-1605 (37-40)		Lab ID: 50158148004		Collected: 11/03/16 17:20		Received: 11/04/16 08:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	100	10		11/04/16 14:14	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		93	%.	84-118	10		11/04/16 14:14	1868-53-7	
4-Bromofluorobenzene (S)		95	%.	79-116	10		11/04/16 14:14	460-00-4	D4
Toluene-d8 (S)		104	%.	86-110	10		11/04/16 14:14	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: SB-1605 (34-37)		Lab ID: 50158148005	Collected: 11/03/16 17:45	Received: 11/04/16 08:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 12:48	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 12:48	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 12:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 12:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 12:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 12:48	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 12:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 12:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 12:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 12:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 12:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 12:48	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 12:48	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 12:48	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 12:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 12:48	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 12:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 12:48	107-06-2	
1,1-Dichloroethene	0.31J	ug/L	5.0	1		11/04/16 12:48	75-35-4	
cis-1,2-Dichloroethene	149	ug/L	5.0	1		11/04/16 12:48	156-59-2	
trans-1,2-Dichloroethene	17.6	ug/L	5.0	1		11/04/16 12:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 12:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 12:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 12:48	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 12:48	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 12:48	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 12:48	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 12:48	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 12:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 12:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 12:48	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 12:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 12:48	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 12:48	127-18-4	
Toluene	ND	ug/L	5.0	1		11/04/16 12:48	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 12:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 12:48	79-00-5	
Trichloroethene	601	ug/L	50.0	10		11/04/16 13:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 12:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 12:48	76-13-1	
Vinyl chloride	0.11J	ug/L	2.0	1		11/04/16 12:48	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: SB-1605 (34-37)		Lab ID: 50158148005		Collected: 11/03/16 17:45		Received: 11/04/16 08:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 12:48	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		96	%.	84-118	1		11/04/16 12:48	1868-53-7	
4-Bromofluorobenzene (S)		94	%.	79-116	1		11/04/16 12:48	460-00-4	
Toluene-d8 (S)		101	%.	86-110	1		11/04/16 12:48	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: SB-1605 (31-34)		Lab ID: 50158148006	Collected: 11/03/16 18:00	Received: 11/04/16 08:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 13:23	67-64-1	
Benzene	ND	ug/L	5.0	1		11/04/16 13:23	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 13:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 13:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 13:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 13:23	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 13:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 13:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 13:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 13:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/04/16 13:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 13:23	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 13:23	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 13:23	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 13:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 13:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 13:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 13:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 13:23	107-06-2	
1,1-Dichloroethene	0.86J	ug/L	5.0	1		11/04/16 13:23	75-35-4	
cis-1,2-Dichloroethene	276	ug/L	5.0	1		11/04/16 13:23	156-59-2	
trans-1,2-Dichloroethene	44.5	ug/L	5.0	1		11/04/16 13:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 13:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 13:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 13:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 13:23	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 13:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 13:23	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 13:23	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 13:23	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 13:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 13:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 13:23	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 13:23	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 13:23	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 13:23	127-18-4	
Toluene	0.23J	ug/L	5.0	1		11/04/16 13:23	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 13:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 13:23	79-00-5	
Trichloroethene	5510	ug/L	250	50		11/04/16 15:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 13:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 13:23	76-13-1	
Vinyl chloride	0.32J	ug/L	2.0	1		11/04/16 13:23	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: SB-1605 (31-34)		Lab ID: 50158148006		Collected: 11/03/16 18:00		Received: 11/04/16 08:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/04/16 13:23	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		95	%.	84-118	1		11/04/16 13:23	1868-53-7	
4-Bromofluorobenzene (S)		93	%.	79-116	1		11/04/16 13:23	460-00-4	
Toluene-d8 (S)		99	%.	86-110	1		11/04/16 13:23	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: SB-1605 (28-31)		Lab ID: 50158148007	Collected: 11/03/16 18:25	Received: 11/04/16 08:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/04/16 13:57	67-64-1	
Benzene	0.21J	ug/L	5.0	1		11/04/16 13:57	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/04/16 13:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/04/16 13:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/04/16 13:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/04/16 13:57	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/04/16 13:57	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/04/16 13:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/04/16 13:57	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/04/16 13:57	75-00-3	
Chloroform	0.26J	ug/L	5.0	1		11/04/16 13:57	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/04/16 13:57	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/04/16 13:57	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/04/16 13:57	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/04/16 13:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/04/16 13:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/04/16 13:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/04/16 13:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/04/16 13:57	107-06-2	
1,1-Dichloroethene	0.86J	ug/L	5.0	1		11/04/16 13:57	75-35-4	
cis-1,2-Dichloroethene	272	ug/L	5.0	1		11/04/16 13:57	156-59-2	
trans-1,2-Dichloroethene	42.2	ug/L	5.0	1		11/04/16 13:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/04/16 13:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 13:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/04/16 13:57	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/04/16 13:57	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/04/16 13:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/04/16 13:57	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/04/16 13:57	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/04/16 13:57	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/04/16 13:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/04/16 13:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/04/16 13:57	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/04/16 13:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/04/16 13:57	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/04/16 13:57	127-18-4	
Toluene	0.39J	ug/L	5.0	1		11/04/16 13:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/04/16 13:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/04/16 13:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/04/16 13:57	79-00-5	
Trichloroethene	4520	ug/L	250	50		11/04/16 15:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/04/16 13:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/04/16 13:57	76-13-1	
Vinyl chloride	0.51J	ug/L	2.0	1		11/04/16 13:57	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: SB-1605 (28-31)		Lab ID: 50158148007		Collected: 11/03/16 18:25		Received: 11/04/16 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/04/16 13:57	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	98	%.	84-118	1		11/04/16 13:57	1868-53-7		
4-Bromofluorobenzene (S)	94	%.	79-116	1		11/04/16 13:57	460-00-4		
Toluene-d8 (S)	102	%.	86-110	1		11/04/16 13:57	2037-26-5		

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: SB-1605 (25-28)		Lab ID: 50158148008		Collected: 11/03/16 18:50		Received: 11/04/16 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		11/04/16 14:31	67-64-1		
Benzene	ND	ug/L	50.0	10		11/04/16 14:31	71-43-2		
Bromodichloromethane	ND	ug/L	50.0	10		11/04/16 14:31	75-27-4		
Bromoform	ND	ug/L	50.0	10		11/04/16 14:31	75-25-2		
Bromomethane	ND	ug/L	50.0	10		11/04/16 14:31	74-83-9		
2-Butanone (MEK)	ND	ug/L	250	10		11/04/16 14:31	78-93-3		
Carbon disulfide	ND	ug/L	100	10		11/04/16 14:31	75-15-0		
Carbon tetrachloride	ND	ug/L	50.0	10		11/04/16 14:31	56-23-5		
Chlorobenzene	ND	ug/L	50.0	10		11/04/16 14:31	108-90-7		
Chloroethane	ND	ug/L	50.0	10		11/04/16 14:31	75-00-3		
Chloroform	ND	ug/L	50.0	10		11/04/16 14:31	67-66-3		
Chloromethane	ND	ug/L	50.0	10		11/04/16 14:31	74-87-3		
Cyclohexane	ND	ug/L	1000	10		11/04/16 14:31	110-82-7	N2	
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		11/04/16 14:31	96-12-8		
Dibromochloromethane	ND	ug/L	50.0	10		11/04/16 14:31	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		11/04/16 14:31	106-93-4		
1,2-Dichlorobenzene	ND	ug/L	50.0	10		11/04/16 14:31	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	50.0	10		11/04/16 14:31	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	50.0	10		11/04/16 14:31	106-46-7		
Dichlorodifluoromethane	ND	ug/L	50.0	10		11/04/16 14:31	75-71-8		
1,1-Dichloroethane	ND	ug/L	50.0	10		11/04/16 14:31	75-34-3		
1,2-Dichloroethane	ND	ug/L	50.0	10		11/04/16 14:31	107-06-2		
1,1-Dichloroethene	ND	ug/L	50.0	10		11/04/16 14:31	75-35-4		
cis-1,2-Dichloroethene	315	ug/L	50.0	10		11/04/16 14:31	156-59-2		
trans-1,2-Dichloroethene	42.5J	ug/L	50.0	10		11/04/16 14:31	156-60-5		
1,2-Dichloropropane	ND	ug/L	50.0	10		11/04/16 14:31	78-87-5		
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		11/04/16 14:31	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		11/04/16 14:31	10061-02-6		
Ethylbenzene	ND	ug/L	50.0	10		11/04/16 14:31	100-41-4		
2-Hexanone	ND	ug/L	250	10		11/04/16 14:31	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		11/04/16 14:31	98-82-8		
Methyl acetate	ND	ug/L	500	10		11/04/16 14:31	79-20-9	N2	
Methylcyclohexane	ND	ug/L	500	10		11/04/16 14:31	108-87-2	N2	
Methylene Chloride	ND	ug/L	50.0	10		11/04/16 14:31	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		11/04/16 14:31	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	40.0	10		11/04/16 14:31	1634-04-4		
Styrene	ND	ug/L	50.0	10		11/04/16 14:31	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		11/04/16 14:31	79-34-5		
Tetrachloroethene	ND	ug/L	50.0	10		11/04/16 14:31	127-18-4		
Toluene	ND	ug/L	50.0	10		11/04/16 14:31	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		11/04/16 14:31	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	50.0	10		11/04/16 14:31	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	50.0	10		11/04/16 14:31	79-00-5		
Trichloroethene	6020	ug/L	125	25		11/04/16 15:22	79-01-6		
Trichlorofluoromethane	ND	ug/L	50.0	10		11/04/16 14:31	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		11/04/16 14:31	76-13-1		
Vinyl chloride	ND	ug/L	20.0	10		11/04/16 14:31	75-01-4		

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158148

Sample: SB-1605 (25-28)		Lab ID: 50158148008		Collected: 11/03/16 18:50		Received: 11/04/16 08:15		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	100	10		11/04/16 14:31	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	10		11/04/16 14:31	1868-53-7	D4
4-Bromofluorobenzene (S)		97	%.	79-116	10		11/04/16 14:31	460-00-4	
Toluene-d8 (S)		101	%.	86-110	10		11/04/16 14:31	2037-26-5	

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QUALITY CONTROL DATA

Project: Kokomo-Racer

Pace Project No.: 50158148

QC Batch: 359906

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50158148001, 50158148002, 50158148003, 50158148004

METHOD BLANK: 1663290

Matrix: Water

Associated Lab Samples: 50158148001, 50158148002, 50158148003, 50158148004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/04/16 11:57	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/04/16 11:57	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/04/16 11:57	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/04/16 11:57	
1,1-Dichloroethane	ug/L	ND	5.0	11/04/16 11:57	
1,1-Dichloroethene	ug/L	ND	5.0	11/04/16 11:57	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/04/16 11:57	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/04/16 11:57	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/04/16 11:57	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/04/16 11:57	
1,2-Dichloroethane	ug/L	ND	5.0	11/04/16 11:57	
1,2-Dichloropropane	ug/L	ND	5.0	11/04/16 11:57	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/04/16 11:57	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/04/16 11:57	
2-Butanone (MEK)	ug/L	ND	25.0	11/04/16 11:57	
2-Hexanone	ug/L	ND	25.0	11/04/16 11:57	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/04/16 11:57	
Acetone	ug/L	ND	100	11/04/16 11:57	
Benzene	ug/L	ND	5.0	11/04/16 11:57	
Bromodichloromethane	ug/L	ND	5.0	11/04/16 11:57	
Bromoform	ug/L	ND	5.0	11/04/16 11:57	
Bromomethane	ug/L	ND	5.0	11/04/16 11:57	
Carbon disulfide	ug/L	ND	10.0	11/04/16 11:57	
Carbon tetrachloride	ug/L	ND	5.0	11/04/16 11:57	
Chlorobenzene	ug/L	ND	5.0	11/04/16 11:57	
Chloroethane	ug/L	ND	5.0	11/04/16 11:57	
Chloroform	ug/L	ND	5.0	11/04/16 11:57	
Chloromethane	ug/L	ND	5.0	11/04/16 11:57	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/04/16 11:57	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/04/16 11:57	
Cyclohexane	ug/L	ND	100	11/04/16 11:57	N2
Dibromochloromethane	ug/L	ND	5.0	11/04/16 11:57	
Dichlorodifluoromethane	ug/L	ND	5.0	11/04/16 11:57	
Ethylbenzene	ug/L	ND	5.0	11/04/16 11:57	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/04/16 11:57	
Methyl acetate	ug/L	ND	50.0	11/04/16 11:57	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/04/16 11:57	
Methylcyclohexane	ug/L	ND	50.0	11/04/16 11:57	N2
Methylene Chloride	ug/L	1.4J	5.0	11/04/16 11:57	
Styrene	ug/L	ND	5.0	11/04/16 11:57	
Tetrachloroethene	ug/L	ND	5.0	11/04/16 11:57	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Kokomo-Racer

Pace Project No.: 50158148

METHOD BLANK: 1663290

Matrix: Water

Associated Lab Samples: 50158148001, 50158148002, 50158148003, 50158148004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/04/16 11:57	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/04/16 11:57	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/04/16 11:57	
Trichloroethene	ug/L	ND	5.0	11/04/16 11:57	
Trichlorofluoromethane	ug/L	ND	5.0	11/04/16 11:57	
Vinyl chloride	ug/L	ND	2.0	11/04/16 11:57	
Xylene (Total)	ug/L	ND	10.0	11/04/16 11:57	
4-Bromofluorobenzene (S)	%	98	79-116	11/04/16 11:57	
Dibromofluoromethane (S)	%	96	84-118	11/04/16 11:57	
Toluene-d8 (S)	%	103	86-110	11/04/16 11:57	

LABORATORY CONTROL SAMPLE: 1663291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.8	104	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	51.7	103	72-124	
1,1,2-Trichloroethane	ug/L	50	56.7	113	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	55.2	110	80-111	
1,1-Dichloroethane	ug/L	50	53.7	107	70-120	
1,1-Dichloroethene	ug/L	50	51.9	104	69-127	
1,2,4-Trichlorobenzene	ug/L	50	62.6	125	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	65.2	130	67-123	L0
1,2-Dibromoethane (EDB)	ug/L	50	54.0	108	76-125	
1,2-Dichlorobenzene	ug/L	50	56.2	112	77-122	
1,2-Dichloroethane	ug/L	50	52.2	104	70-123	
1,2-Dichloropropane	ug/L	50	48.9	98	77-124	
1,3-Dichlorobenzene	ug/L	50	56.3	113	76-124	
1,4-Dichlorobenzene	ug/L	50	56.3	113	75-117	
2-Butanone (MEK)	ug/L	250	240	96	60-135	
2-Hexanone	ug/L	250	255	102	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	252	101	66-134	
Acetone	ug/L	250	251	101	47-144	
Benzene	ug/L	50	51.1	102	76-122	
Bromodichloromethane	ug/L	50	57.2	114	71-124	
Bromoform	ug/L	50	57.9	116	60-125	
Bromomethane	ug/L	50	36.0	72	23-194	
Carbon disulfide	ug/L	50	52.4	105	63-130	
Carbon tetrachloride	ug/L	50	63.5	127	73-133	
Chlorobenzene	ug/L	50	51.7	103	76-118	
Chloroethane	ug/L	50	47.4	95	50-147	
Chloroform	ug/L	50	51.9	104	70-119	
Chloromethane	ug/L	50	46.1	92	52-136	
cis-1,2-Dichloroethene	ug/L	50	55.5	111	74-120	
cis-1,3-Dichloropropene	ug/L	50	55.0	110	71-134	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Kokomo-Racer

Pace Project No.: 50158148

LABORATORY CONTROL SAMPLE: 1663291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	54.6J	109	86-122	N2
Dibromochloromethane	ug/L	50	59.7	119	73-127	
Dichlorodifluoromethane	ug/L	50	54.3	109	39-166	
Ethylbenzene	ug/L	50	57.4	115	75-123	
Isopropylbenzene (Cumene)	ug/L	50	54.4	109	84-134	
Methyl acetate	ug/L	50	68.4	137	68-192	N2
Methyl-tert-butyl ether	ug/L	50	56.8	114	65-131	
Methylcyclohexane	ug/L	50	56.2	112	89-122	N2
Methylene Chloride	ug/L	50	51.1	102	66-130	
Styrene	ug/L	50	56.1	112	78-128	
Tetrachloroethene	ug/L	50	55.2	110	69-119	
Toluene	ug/L	50	52.8	106	74-122	
trans-1,2-Dichloroethene	ug/L	50	54.6	109	72-122	
trans-1,3-Dichloropropene	ug/L	50	59.3	119	66-135	
Trichloroethene	ug/L	50	49.1	98	75-123	
Trichlorofluoromethane	ug/L	50	59.3	119	58-148	
Vinyl chloride	ug/L	50	50.4	101	61-147	
Xylene (Total)	ug/L	150	164	109	75-127	
4-Bromofluorobenzene (S)	%.			97	79-116	
Dibromofluoromethane (S)	%.			102	84-118	
Toluene-d8 (S)	%.			99	86-110	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Kokomo-Racer

Pace Project No.: 50158148

QC Batch: 359907 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50158148005, 50158148006, 50158148007, 50158148008

METHOD BLANK: 1663292 Matrix: Water
Associated Lab Samples: 50158148005, 50158148006, 50158148007, 50158148008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/04/16 12:14	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/04/16 12:14	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/04/16 12:14	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/04/16 12:14	
1,1-Dichloroethane	ug/L	ND	5.0	11/04/16 12:14	
1,1-Dichloroethene	ug/L	ND	5.0	11/04/16 12:14	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/04/16 12:14	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/04/16 12:14	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/04/16 12:14	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/04/16 12:14	
1,2-Dichloroethane	ug/L	ND	5.0	11/04/16 12:14	
1,2-Dichloropropane	ug/L	ND	5.0	11/04/16 12:14	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/04/16 12:14	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/04/16 12:14	
2-Butanone (MEK)	ug/L	ND	25.0	11/04/16 12:14	
2-Hexanone	ug/L	ND	25.0	11/04/16 12:14	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/04/16 12:14	
Acetone	ug/L	ND	100	11/04/16 12:14	
Benzene	ug/L	ND	5.0	11/04/16 12:14	
Bromodichloromethane	ug/L	ND	5.0	11/04/16 12:14	
Bromoform	ug/L	ND	5.0	11/04/16 12:14	
Bromomethane	ug/L	ND	5.0	11/04/16 12:14	
Carbon disulfide	ug/L	ND	10.0	11/04/16 12:14	
Carbon tetrachloride	ug/L	ND	5.0	11/04/16 12:14	
Chlorobenzene	ug/L	ND	5.0	11/04/16 12:14	
Chloroethane	ug/L	ND	5.0	11/04/16 12:14	
Chloroform	ug/L	ND	5.0	11/04/16 12:14	
Chloromethane	ug/L	ND	5.0	11/04/16 12:14	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/04/16 12:14	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/04/16 12:14	
Cyclohexane	ug/L	ND	100	11/04/16 12:14	N2
Dibromochloromethane	ug/L	ND	5.0	11/04/16 12:14	
Dichlorodifluoromethane	ug/L	ND	5.0	11/04/16 12:14	
Ethylbenzene	ug/L	ND	5.0	11/04/16 12:14	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/04/16 12:14	
Methyl acetate	ug/L	ND	50.0	11/04/16 12:14	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/04/16 12:14	
Methylcyclohexane	ug/L	ND	50.0	11/04/16 12:14	N2
Methylene Chloride	ug/L	1.2J	5.0	11/04/16 12:14	
Styrene	ug/L	ND	5.0	11/04/16 12:14	
Tetrachloroethene	ug/L	ND	5.0	11/04/16 12:14	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Kokomo-Racer

Pace Project No.: 50158148

METHOD BLANK: 1663292

Matrix: Water

Associated Lab Samples: 50158148005, 50158148006, 50158148007, 50158148008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/04/16 12:14	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/04/16 12:14	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/04/16 12:14	
Trichloroethene	ug/L	ND	5.0	11/04/16 12:14	
Trichlorofluoromethane	ug/L	ND	5.0	11/04/16 12:14	
Vinyl chloride	ug/L	ND	2.0	11/04/16 12:14	
Xylene (Total)	ug/L	ND	10.0	11/04/16 12:14	
4-Bromofluorobenzene (S)	%	96	79-116	11/04/16 12:14	
Dibromofluoromethane (S)	%	98	84-118	11/04/16 12:14	
Toluene-d8 (S)	%	98	86-110	11/04/16 12:14	

LABORATORY CONTROL SAMPLE: 1663293

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	43.7	87	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	41.9	84	72-124	
1,1,2-Trichloroethane	ug/L	50	46.2	92	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	43.0	86	80-111	
1,1-Dichloroethane	ug/L	50	42.7	85	70-120	
1,1-Dichloroethene	ug/L	50	40.5	81	69-127	
1,2,4-Trichlorobenzene	ug/L	50	55.3	111	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	44.9	90	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	47.3	95	76-125	
1,2-Dichlorobenzene	ug/L	50	45.2	90	77-122	
1,2-Dichloroethane	ug/L	50	42.6	85	70-123	
1,2-Dichloropropane	ug/L	50	40.4	81	77-124	
1,3-Dichlorobenzene	ug/L	50	49.4	99	76-124	
1,4-Dichlorobenzene	ug/L	50	46.0	92	75-117	
2-Butanone (MEK)	ug/L	250	202	81	60-135	
2-Hexanone	ug/L	250	217	87	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	213	85	66-134	
Acetone	ug/L	250	213	85	47-144	
Benzene	ug/L	50	43.7	87	76-122	
Bromodichloromethane	ug/L	50	44.7	89	71-124	
Bromoform	ug/L	50	46.8	94	60-125	
Bromomethane	ug/L	50	33.3	67	23-194	
Carbon disulfide	ug/L	50	41.8	84	63-130	
Carbon tetrachloride	ug/L	50	45.8	92	73-133	
Chlorobenzene	ug/L	50	46.2	92	76-118	
Chloroethane	ug/L	50	48.2	96	50-147	
Chloroform	ug/L	50	43.1	86	70-119	
Chloromethane	ug/L	50	37.4	75	52-136	
cis-1,2-Dichloroethene	ug/L	50	42.8	86	74-120	
cis-1,3-Dichloropropene	ug/L	50	44.8	90	71-134	

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QUALITY CONTROL DATA

Project: Kokomo-Racer

Pace Project No.: 50158148

LABORATORY CONTROL SAMPLE: 1663293

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	45.2J	90	86-122	N2
Dibromochloromethane	ug/L	50	51.2	102	73-127	
Dichlorodifluoromethane	ug/L	50	45.2	90	39-166	
Ethylbenzene	ug/L	50	47.6	95	75-123	
Isopropylbenzene (Cumene)	ug/L	50	48.6	97	84-134	
Methyl acetate	ug/L	50	66.6	133	68-192	N2
Methyl-tert-butyl ether	ug/L	50	40.8	82	65-131	
Methylcyclohexane	ug/L	50	45.3J	91	89-122	N2
Methylene Chloride	ug/L	50	40.8	82	66-130	
Styrene	ug/L	50	46.8	94	78-128	
Tetrachloroethene	ug/L	50	48.3	97	69-119	
Toluene	ug/L	50	46.1	92	74-122	
trans-1,2-Dichloroethene	ug/L	50	44.2	88	72-122	
trans-1,3-Dichloropropene	ug/L	50	45.3	91	66-135	
Trichloroethene	ug/L	50	40.4	81	75-123	
Trichlorofluoromethane	ug/L	50	53.2	106	58-148	
Vinyl chloride	ug/L	50	42.7	85	61-147	
Xylene (Total)	ug/L	150	144	96	75-127	
4-Bromofluorobenzene (S)	%			97	79-116	
Dibromofluoromethane (S)	%			97	84-118	
Toluene-d8 (S)	%			103	86-110	

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QUALIFIERS

Project: Kokomo-Racer

Pace Project No.: 50158148

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D4 Sample was diluted due to the presence of high levels of target analytes.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Kokomo-Racer

Pace Project No.: 50158148

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50158148001	TB-02 (110316)	EPA 8260	359906		
50158148002	SB-1605 (43-46)	EPA 8260	359906		
50158148003	SB-1605 (40-43)	EPA 8260	359906		
50158148004	SB-1605 (37-40)	EPA 8260	359906		
50158148005	SB-1605 (34-37)	EPA 8260	359907		
50158148006	SB-1605 (31-34)	EPA 8260	359907		
50158148007	SB-1605 (28-31)	EPA 8260	359907		
50158148008	SB-1605 (25-28)	EPA 8260	359907		

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

[illegible]

Sample Condition Upon Receipt

Face Analytical

Client Name: Arcadis

Project # 60158148

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer 1 2 3 4 5 6 A B C D E F

Type of Ice: Wet Blue None

☐ Samples on ice, cooling process has begun

Cooler Temperature 2.1 - 2.1

Ice Visible in Sample Containers: ☐ yes ☒ no

(Initial/Corrected)

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 11-4-16 LE

Are samples from West Virginia?	☐ Yes ☒ No	1.
Document any containers out of temp.		
Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	3.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	4.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☒ Yes ☐ No ☐ N/A	7.
Containers Intact:	☒ Yes ☐ No ☐ N/A	8.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	9.
-Includes date/time/ID/Analysis		
All containers needing acid/base pres. have been checked?	☐ Yes ☐ No ☒ N/A	10.
exceptions: VOA, coliform, TOC, O&G		(Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12. Present Absent
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	13.
Headspace Wisconsin Sulfide	☐ Yes ☐ No	14.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	15.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	15.
Sufficient Volume:	☐ Yes ☐ No ☐ N/A	16.
Correct Containers Used:	☐ Yes ☐ No ☐ N/A	17.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

Project Manager Review:

Date:

CLIENT: Arcadis

COC PAGE 1 of 1
COC ID# 2159053

Bulk
Kit

Project # 5058148

Matr. (Soil) $\text{pH} < 2$ $\text{pH} > 9$ $\text{pH} > 12$

AG11| WGE1| AG11| B 4 / 6 BP2N BP21| BP2S BP3N BP31| BP3S AG3S AG1H BP3C BP1U SP5T AG2U

[illegible]

Container Codes							
DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG9U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

November 07, 2016

Jesse Wright
Arcadis U.S., Inc.
132 E. Washington Street
Suite 600
Indianapolis, IN 46204

RE: Project: Kokomo Racer
Pace Project No.: 50158272

Dear Jesse Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on November 04, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kelly Jones
kelly.jones@pacelabs.com
Project Manager

Enclosures

cc: Ms. Sarah Fisher, Arcadis
Mr. Matt Griles, Arcadis U.S., Inc.
Mr. Luke Martin, Arcadis
Ms. Lauren Werckenthien, Arcadis



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Kokomo Racer

Pace Project No.: 50158272

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas/NELAP Certification #:E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #:98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Kokomo Racer

Pace Project No.: 50158272

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50158272001	TB-01(110416)	Water	11/04/16 08:00	11/04/16 17:19
50158272002	SB-1606(41-44)	Water	11/04/16 09:20	11/04/16 17:19
50158272003	SB-1606(38-41)	Water	11/04/16 09:55	11/04/16 17:19
50158272004	SB-1606(35-38)	Water	11/04/16 10:20	11/04/16 17:19
50158272005	SB-1606(32-35)	Water	11/04/16 10:35	11/04/16 17:19
50158272006	SB-1606(29-32)	Water	11/04/16 10:50	11/04/16 17:19
50158272007	SB-1606(26-29)	Water	11/04/16 11:15	11/04/16 17:19
50158272008	SB-1606(23-26)	Water	11/04/16 11:30	11/04/16 17:19
50158272009	SB-1606(20-23)	Water	11/04/16 11:40	11/04/16 17:19
50158272010	SB-1607(37-40)	Water	11/04/16 12:55	11/04/16 17:19
50158272011	SB-1607(34-37)	Water	11/04/16 13:10	11/04/16 17:19
50158272012	SB-1607(31-34)	Water	11/04/16 13:35	11/04/16 17:19
50158272013	SB-1607(28-31)	Water	11/04/16 13:55	11/04/16 17:19
50158272014	SB-1607(25-28)	Water	11/04/16 14:15	11/04/16 17:19
50158272015	SB-1607(22-25)	Water	11/04/16 14:25	11/04/16 17:19
50158272016	SB-1607(19-22)	Water	11/04/16 14:40	11/04/16 17:19
50158272017	Piezo-SB-1605(110416)	Water	11/04/16 12:40	11/04/16 17:19
50158272018	Piezo-SB-1606(110416)	Water	11/04/16 15:05	11/04/16 17:19

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Kokomo Racer

Pace Project No.: 50158272

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50158272001	TB-01(110416)	EPA 8260	CAP	51
50158272002	SB-1606(41-44)	EPA 8260	CAP	51
50158272003	SB-1606(38-41)	EPA 8260	CAP	51
50158272004	SB-1606(35-38)	EPA 8260	CAP	51
50158272005	SB-1606(32-35)	EPA 8260	CAP	51
50158272006	SB-1606(29-32)	EPA 8260	CAP	51
50158272007	SB-1606(26-29)	EPA 8260	CAP	51
50158272008	SB-1606(23-26)	EPA 8260	CAP	51
50158272009	SB-1606(20-23)	EPA 8260	CAP	51
50158272010	SB-1607(37-40)	EPA 8260	CAP	51
50158272011	SB-1607(34-37)	EPA 8260	CAP	51
50158272012	SB-1607(31-34)	EPA 8260	CAP	51
50158272013	SB-1607(28-31)	EPA 8260	CAP	51
50158272014	SB-1607(25-28)	EPA 8260	CAP	51
50158272015	SB-1607(22-25)	EPA 8260	CAP	51
50158272016	SB-1607(19-22)	EPA 8260	CAP	51
50158272017	Piezo-SB-1605(110416)	EPA 8260	JLZ	51
50158272018	Piezo-SB-1606(110416)	EPA 8260	JLZ	51

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SUMMARY OF DETECTION

Project: Kokomo Racer

Pace Project No.: 50158272

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158272001	TB-01(110416)					
EPA 8260	Methylene Chloride	2.1J	ug/L	5.0	11/05/16 06:45	B
50158272002	SB-1606(41-44)					
EPA 8260	cis-1,2-Dichloroethene	73.9	ug/L	5.0	11/05/16 07:20	
EPA 8260	trans-1,2-Dichloroethene	5.6	ug/L	5.0	11/05/16 07:20	
EPA 8260	Toluene	0.26J	ug/L	5.0	11/05/16 07:20	
EPA 8260	Trichloroethene	68.6	ug/L	5.0	11/05/16 07:20	
EPA 8260	Vinyl chloride	0.35J	ug/L	2.0	11/05/16 07:20	
50158272003	SB-1606(38-41)					
EPA 8260	cis-1,2-Dichloroethene	70.9	ug/L	5.0	11/05/16 07:54	
EPA 8260	trans-1,2-Dichloroethene	3.8J	ug/L	5.0	11/05/16 07:54	
EPA 8260	Toluene	0.46J	ug/L	5.0	11/05/16 07:54	
EPA 8260	Trichloroethene	136	ug/L	5.0	11/05/16 07:54	
50158272004	SB-1606(35-38)					
EPA 8260	Benzene	0.23J	ug/L	5.0	11/05/16 00:45	
EPA 8260	cis-1,2-Dichloroethene	79.1	ug/L	5.0	11/05/16 00:45	
EPA 8260	trans-1,2-Dichloroethene	7.1	ug/L	5.0	11/05/16 00:45	
EPA 8260	Methylcyclohexane	0.45J	ug/L	50.0	11/05/16 00:45	N2
EPA 8260	Toluene	0.62J	ug/L	5.0	11/05/16 00:45	
EPA 8260	Trichloroethene	181	ug/L	5.0	11/05/16 00:45	
50158272005	SB-1606(32-35)					
EPA 8260	Benzene	0.22J	ug/L	5.0	11/05/16 01:19	
EPA 8260	cis-1,2-Dichloroethene	74.4	ug/L	5.0	11/05/16 01:19	
EPA 8260	trans-1,2-Dichloroethene	8.4	ug/L	5.0	11/05/16 01:19	
EPA 8260	Toluene	0.41J	ug/L	5.0	11/05/16 01:19	
EPA 8260	Trichloroethene	170	ug/L	5.0	11/05/16 01:19	
50158272006	SB-1606(29-32)					
EPA 8260	cis-1,2-Dichloroethene	69.9	ug/L	5.0	11/05/16 01:54	
EPA 8260	trans-1,2-Dichloroethene	11.8	ug/L	5.0	11/05/16 01:54	
EPA 8260	Toluene	0.48J	ug/L	5.0	11/05/16 01:54	
EPA 8260	Trichloroethene	203	ug/L	5.0	11/05/16 01:54	
50158272007	SB-1606(26-29)					
EPA 8260	Acetone	3.9J	ug/L	100	11/05/16 03:02	
EPA 8260	Benzene	0.28J	ug/L	5.0	11/05/16 03:02	
EPA 8260	1,1-Dichloroethene	0.37J	ug/L	5.0	11/05/16 03:02	
EPA 8260	cis-1,2-Dichloroethene	137	ug/L	5.0	11/05/16 03:02	
EPA 8260	trans-1,2-Dichloroethene	15.6	ug/L	5.0	11/05/16 03:02	
EPA 8260	Toluene	0.35J	ug/L	5.0	11/05/16 03:02	
EPA 8260	Trichloroethene	331	ug/L	50.0	11/07/16 13:49	
50158272008	SB-1606(23-26)					
EPA 8260	Benzene	0.26J	ug/L	5.0	11/05/16 03:37	
EPA 8260	cis-1,2-Dichloroethene	73.9	ug/L	5.0	11/05/16 03:37	
EPA 8260	trans-1,2-Dichloroethene	22.3	ug/L	5.0	11/05/16 03:37	
EPA 8260	Toluene	0.63J	ug/L	5.0	11/05/16 03:37	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Kokomo Racer

Pace Project No.: 50158272

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158272008	SB-1606(23-26)					
EPA 8260	Trichloroethene	517	ug/L	50.0	11/07/16 14:06	
50158272009	SB-1606(20-23)					
EPA 8260	cis-1,2-Dichloroethene	954	ug/L	250	11/05/16 04:11	
EPA 8260	trans-1,2-Dichloroethene	54.9J	ug/L	250	11/05/16 04:11	
EPA 8260	Methylene Chloride	153J	ug/L	250	11/05/16 04:11	B
EPA 8260	Trichloroethene	3930	ug/L	250	11/05/16 04:11	
EPA 8260	Vinyl chloride	67.6J	ug/L	100	11/05/16 04:11	
50158272010	SB-1607(37-40)					
EPA 8260	cis-1,2-Dichloroethene	4.3J	ug/L	5.0	11/05/16 04:45	
EPA 8260	Toluene	0.25J	ug/L	5.0	11/05/16 04:45	
EPA 8260	Trichloroethene	7.9	ug/L	5.0	11/05/16 04:45	
50158272011	SB-1607(34-37)					
EPA 8260	cis-1,2-Dichloroethene	5.5	ug/L	5.0	11/05/16 05:19	
EPA 8260	Toluene	0.27J	ug/L	5.0	11/05/16 05:19	
EPA 8260	Trichloroethene	7.7	ug/L	5.0	11/05/16 05:19	
50158272012	SB-1607(31-34)					
EPA 8260	cis-1,2-Dichloroethene	10.0	ug/L	5.0	11/07/16 12:57	
EPA 8260	trans-1,2-Dichloroethene	0.20J	ug/L	5.0	11/07/16 12:57	
EPA 8260	Toluene	0.27J	ug/L	5.0	11/07/16 12:57	
EPA 8260	Trichloroethene	10.3	ug/L	5.0	11/07/16 12:57	
50158272013	SB-1607(28-31)					
EPA 8260	cis-1,2-Dichloroethene	32.8	ug/L	5.0	11/07/16 13:31	
EPA 8260	trans-1,2-Dichloroethene	1.6J	ug/L	5.0	11/07/16 13:31	
EPA 8260	Toluene	0.29J	ug/L	5.0	11/07/16 13:31	
EPA 8260	Trichloroethene	33.2	ug/L	5.0	11/07/16 13:31	
50158272014	SB-1607(25-28)					
EPA 8260	cis-1,2-Dichloroethene	41.8	ug/L	5.0	11/05/16 07:02	
EPA 8260	trans-1,2-Dichloroethene	2.7J	ug/L	5.0	11/05/16 07:02	
EPA 8260	Toluene	0.37J	ug/L	5.0	11/05/16 07:02	
EPA 8260	Trichloroethene	56.1	ug/L	5.0	11/05/16 07:02	
50158272015	SB-1607(22-25)					
EPA 8260	cis-1,2-Dichloroethene	55.3	ug/L	50.0	11/05/16 07:37	
EPA 8260	trans-1,2-Dichloroethene	15.8J	ug/L	50.0	11/05/16 07:37	
EPA 8260	Methylene Chloride	33.2J	ug/L	50.0	11/05/16 07:37	B
EPA 8260	Trichloroethene	463	ug/L	50.0	11/05/16 07:37	
50158272016	SB-1607(19-22)					
EPA 8260	1,1-Dichloroethene	0.80J	ug/L	5.0	11/05/16 08:11	
EPA 8260	cis-1,2-Dichloroethene	422	ug/L	125	11/07/16 14:23	
EPA 8260	trans-1,2-Dichloroethene	37.0	ug/L	5.0	11/05/16 08:11	
EPA 8260	Toluene	0.42J	ug/L	5.0	11/05/16 08:11	
EPA 8260	Trichloroethene	1310	ug/L	125	11/07/16 14:23	
EPA 8260	Vinyl chloride	32.4	ug/L	2.0	11/05/16 08:11	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Kokomo Racer

Pace Project No.: 50158272

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158272017	Piezo-SB-1605(110416)					
EPA 8260	Methylene Chloride	1.7J	ug/L	5.0	11/05/16 19:00	
EPA 8260	Toluene	0.80J	ug/L	5.0	11/05/16 19:00	
50158272018	Piezo-SB-1606(110416)					
EPA 8260	cis-1,2-Dichloroethene	41.3	ug/L	5.0	11/05/16 19:24	
EPA 8260	trans-1,2-Dichloroethene	2.4J	ug/L	5.0	11/05/16 19:24	
EPA 8260	Methylene Chloride	3.0J	ug/L	5.0	11/05/16 19:24	
EPA 8260	Toluene	0.43J	ug/L	5.0	11/05/16 19:24	
EPA 8260	Trichloroethene	2.8J	ug/L	5.0	11/05/16 19:24	
EPA 8260	Vinyl chloride	9.4	ug/L	2.0	11/05/16 19:24	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: TB-01(110416)		Lab ID: 50158272001	Collected: 11/04/16 08:00	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/05/16 06:45	67-64-1	
Benzene	ND	ug/L	5.0	1		11/05/16 06:45	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/05/16 06:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/05/16 06:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/05/16 06:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/05/16 06:45	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/05/16 06:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/05/16 06:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/05/16 06:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/05/16 06:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/05/16 06:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/05/16 06:45	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/05/16 06:45	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/05/16 06:45	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/05/16 06:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/05/16 06:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 06:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 06:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 06:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/05/16 06:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/05/16 06:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/05/16 06:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/05/16 06:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/05/16 06:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/05/16 06:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/05/16 06:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 06:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 06:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/05/16 06:45	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/05/16 06:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/05/16 06:45	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/05/16 06:45	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/05/16 06:45	108-87-2	N2
Methylene Chloride	2.13	ug/L	5.0	1		11/05/16 06:45	75-09-2	B
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/05/16 06:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/05/16 06:45	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/05/16 06:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/05/16 06:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/05/16 06:45	127-18-4	
Toluene	ND	ug/L	5.0	1		11/05/16 06:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/05/16 06:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/05/16 06:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/05/16 06:45	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/05/16 06:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/05/16 06:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/05/16 06:45	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/05/16 06:45	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: TB-01(110416)		Lab ID: 50158272001		Collected: 11/04/16 08:00		Received: 11/04/16 17:19		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/05/16 06:45	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		96	%.	84-118	1		11/05/16 06:45	1868-53-7	
4-Bromofluorobenzene (S)		92	%.	79-116	1		11/05/16 06:45	460-00-4	
Toluene-d8 (S)		102	%.	86-110	1		11/05/16 06:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(41-44)		Lab ID: 50158272002	Collected: 11/04/16 09:20	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/05/16 07:20	67-64-1	
Benzene	ND	ug/L	5.0	1		11/05/16 07:20	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/05/16 07:20	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/05/16 07:20	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/05/16 07:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/05/16 07:20	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/05/16 07:20	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/05/16 07:20	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/05/16 07:20	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/05/16 07:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/05/16 07:20	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/05/16 07:20	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/05/16 07:20	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/05/16 07:20	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/05/16 07:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/05/16 07:20	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 07:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 07:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 07:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/05/16 07:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/05/16 07:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/05/16 07:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/05/16 07:20	75-35-4	
cis-1,2-Dichloroethene	73.9	ug/L	5.0	1		11/05/16 07:20	156-59-2	
trans-1,2-Dichloroethene	5.6	ug/L	5.0	1		11/05/16 07:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/05/16 07:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 07:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 07:20	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/05/16 07:20	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/05/16 07:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/05/16 07:20	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/05/16 07:20	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/05/16 07:20	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/05/16 07:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/05/16 07:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/05/16 07:20	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/05/16 07:20	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/05/16 07:20	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/05/16 07:20	127-18-4	
Toluene	0.26J	ug/L	5.0	1		11/05/16 07:20	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/05/16 07:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/05/16 07:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/05/16 07:20	79-00-5	
Trichloroethene	68.6	ug/L	5.0	1		11/05/16 07:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/05/16 07:20	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/05/16 07:20	76-13-1	
Vinyl chloride	0.35J	ug/L	2.0	1		11/05/16 07:20	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(41-44)		Lab ID: 50158272002		Collected: 11/04/16 09:20		Received: 11/04/16 17:19		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/05/16 07:20	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	1		11/05/16 07:20	1868-53-7	
4-Bromofluorobenzene (S)		93	%.	79-116	1		11/05/16 07:20	460-00-4	
Toluene-d8 (S)		102	%.	86-110	1		11/05/16 07:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(38-41)		Lab ID: 50158272003	Collected: 11/04/16 09:55	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/05/16 07:54	67-64-1	
Benzene	ND	ug/L	5.0	1		11/05/16 07:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/05/16 07:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/05/16 07:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/05/16 07:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/05/16 07:54	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/05/16 07:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/05/16 07:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/05/16 07:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/05/16 07:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/05/16 07:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/05/16 07:54	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/05/16 07:54	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/05/16 07:54	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/05/16 07:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/05/16 07:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 07:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 07:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 07:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/05/16 07:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/05/16 07:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/05/16 07:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/05/16 07:54	75-35-4	
cis-1,2-Dichloroethene	70.9	ug/L	5.0	1		11/05/16 07:54	156-59-2	
trans-1,2-Dichloroethene	3.8J	ug/L	5.0	1		11/05/16 07:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/05/16 07:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 07:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 07:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/05/16 07:54	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/05/16 07:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/05/16 07:54	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/05/16 07:54	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/05/16 07:54	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/05/16 07:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/05/16 07:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/05/16 07:54	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/05/16 07:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/05/16 07:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/05/16 07:54	127-18-4	
Toluene	0.46J	ug/L	5.0	1		11/05/16 07:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/05/16 07:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/05/16 07:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/05/16 07:54	79-00-5	
Trichloroethene	136	ug/L	5.0	1		11/05/16 07:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/05/16 07:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/05/16 07:54	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/05/16 07:54	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(38-41)		Lab ID: 50158272003		Collected: 11/04/16 09:55		Received: 11/04/16 17:19		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/05/16 07:54	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		96	%.	84-118	1		11/05/16 07:54	1868-53-7	
4-Bromofluorobenzene (S)		92	%.	79-116	1		11/05/16 07:54	460-00-4	
Toluene-d8 (S)		101	%.	86-110	1		11/05/16 07:54	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(35-38)		Lab ID: 50158272004	Collected: 11/04/16 10:20	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/05/16 00:45	67-64-1	
Benzene	0.23J	ug/L	5.0	1		11/05/16 00:45	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/05/16 00:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/05/16 00:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/05/16 00:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/05/16 00:45	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/05/16 00:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/05/16 00:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/05/16 00:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/05/16 00:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/05/16 00:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/05/16 00:45	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/05/16 00:45	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/05/16 00:45	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/05/16 00:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/05/16 00:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 00:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 00:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 00:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/05/16 00:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/05/16 00:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/05/16 00:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/05/16 00:45	75-35-4	
cis-1,2-Dichloroethene	79.1	ug/L	5.0	1		11/05/16 00:45	156-59-2	
trans-1,2-Dichloroethene	7.1	ug/L	5.0	1		11/05/16 00:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/05/16 00:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 00:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 00:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/05/16 00:45	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/05/16 00:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/05/16 00:45	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/05/16 00:45	79-20-9	N2
Methylcyclohexane	0.45J	ug/L	50.0	1		11/05/16 00:45	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/05/16 00:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/05/16 00:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/05/16 00:45	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/05/16 00:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/05/16 00:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/05/16 00:45	127-18-4	
Toluene	0.62J	ug/L	5.0	1		11/05/16 00:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/05/16 00:45	120-82-1	L3
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/05/16 00:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/05/16 00:45	79-00-5	
Trichloroethene	181	ug/L	5.0	1		11/05/16 00:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/05/16 00:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/05/16 00:45	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/05/16 00:45	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(35-38)		Lab ID: 50158272004		Collected: 11/04/16 10:20		Received: 11/04/16 17:19		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/05/16 00:45	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	1		11/05/16 00:45	1868-53-7	
4-Bromofluorobenzene (S)		94	%.	79-116	1		11/05/16 00:45	460-00-4	
Toluene-d8 (S)		99	%.	86-110	1		11/05/16 00:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(32-35)		Lab ID: 50158272005	Collected: 11/04/16 10:35	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/05/16 01:19	67-64-1	
Benzene	0.22J	ug/L	5.0	1		11/05/16 01:19	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/05/16 01:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/05/16 01:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/05/16 01:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/05/16 01:19	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/05/16 01:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/05/16 01:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/05/16 01:19	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/05/16 01:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/05/16 01:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/05/16 01:19	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/05/16 01:19	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/05/16 01:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/05/16 01:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/05/16 01:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 01:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 01:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 01:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/05/16 01:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/05/16 01:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/05/16 01:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/05/16 01:19	75-35-4	
cis-1,2-Dichloroethene	74.4	ug/L	5.0	1		11/05/16 01:19	156-59-2	
trans-1,2-Dichloroethene	8.4	ug/L	5.0	1		11/05/16 01:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/05/16 01:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 01:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 01:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/05/16 01:19	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/05/16 01:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/05/16 01:19	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/05/16 01:19	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/05/16 01:19	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/05/16 01:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/05/16 01:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/05/16 01:19	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/05/16 01:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/05/16 01:19	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/05/16 01:19	127-18-4	
Toluene	0.41J	ug/L	5.0	1		11/05/16 01:19	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/05/16 01:19	120-82-1	L3
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/05/16 01:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/05/16 01:19	79-00-5	
Trichloroethene	170	ug/L	5.0	1		11/05/16 01:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/05/16 01:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/05/16 01:19	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/05/16 01:19	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(32-35)		Lab ID: 50158272005		Collected: 11/04/16 10:35		Received: 11/04/16 17:19		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/05/16 01:19	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		96	%.	84-118	1		11/05/16 01:19	1868-53-7	
4-Bromofluorobenzene (S)		93	%.	79-116	1		11/05/16 01:19	460-00-4	
Toluene-d8 (S)		100	%.	86-110	1		11/05/16 01:19	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(29-32)		Lab ID: 50158272006	Collected: 11/04/16 10:50	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/05/16 01:54	67-64-1	
Benzene	ND	ug/L	5.0	1		11/05/16 01:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/05/16 01:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/05/16 01:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/05/16 01:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/05/16 01:54	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/05/16 01:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/05/16 01:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/05/16 01:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/05/16 01:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/05/16 01:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/05/16 01:54	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/05/16 01:54	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/05/16 01:54	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/05/16 01:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/05/16 01:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 01:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 01:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 01:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/05/16 01:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/05/16 01:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/05/16 01:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/05/16 01:54	75-35-4	
cis-1,2-Dichloroethene	69.9	ug/L	5.0	1		11/05/16 01:54	156-59-2	
trans-1,2-Dichloroethene	11.8	ug/L	5.0	1		11/05/16 01:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/05/16 01:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 01:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 01:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/05/16 01:54	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/05/16 01:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/05/16 01:54	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/05/16 01:54	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/05/16 01:54	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/05/16 01:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/05/16 01:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/05/16 01:54	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/05/16 01:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/05/16 01:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/05/16 01:54	127-18-4	
Toluene	0.48J	ug/L	5.0	1		11/05/16 01:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/05/16 01:54	120-82-1	L3
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/05/16 01:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/05/16 01:54	79-00-5	
Trichloroethene	203	ug/L	5.0	1		11/05/16 01:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/05/16 01:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/05/16 01:54	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/05/16 01:54	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(29-32)		Lab ID: 50158272006		Collected: 11/04/16 10:50		Received: 11/04/16 17:19		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/05/16 01:54	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		96	%.	84-118	1		11/05/16 01:54	1868-53-7	
4-Bromofluorobenzene (S)		93	%.	79-116	1		11/05/16 01:54	460-00-4	
Toluene-d8 (S)		100	%.	86-110	1		11/05/16 01:54	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(26-29)		Lab ID: 50158272007	Collected: 11/04/16 11:15	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	3.9J	ug/L	100	1		11/05/16 03:02	67-64-1	
Benzene	0.28J	ug/L	5.0	1		11/05/16 03:02	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/05/16 03:02	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/05/16 03:02	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/05/16 03:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/05/16 03:02	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/05/16 03:02	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/05/16 03:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/05/16 03:02	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/05/16 03:02	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/05/16 03:02	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/05/16 03:02	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/05/16 03:02	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/05/16 03:02	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/05/16 03:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/05/16 03:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 03:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 03:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 03:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/05/16 03:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/05/16 03:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/05/16 03:02	107-06-2	
1,1-Dichloroethene	0.37J	ug/L	5.0	1		11/05/16 03:02	75-35-4	
cis-1,2-Dichloroethene	137	ug/L	5.0	1		11/05/16 03:02	156-59-2	
trans-1,2-Dichloroethene	15.6	ug/L	5.0	1		11/05/16 03:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/05/16 03:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 03:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 03:02	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/05/16 03:02	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/05/16 03:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/05/16 03:02	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/05/16 03:02	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/05/16 03:02	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/05/16 03:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/05/16 03:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/05/16 03:02	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/05/16 03:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/05/16 03:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/05/16 03:02	127-18-4	
Toluene	0.35J	ug/L	5.0	1		11/05/16 03:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/05/16 03:02	120-82-1	L3
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/05/16 03:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/05/16 03:02	79-00-5	
Trichloroethene	331	ug/L	50.0	10		11/07/16 13:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/05/16 03:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/05/16 03:02	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/05/16 03:02	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(26-29)		Lab ID: 50158272007		Collected: 11/04/16 11:15		Received: 11/04/16 17:19		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/05/16 03:02	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		98	%.	84-118	1		11/05/16 03:02	1868-53-7	
4-Bromofluorobenzene (S)		93	%.	79-116	1		11/05/16 03:02	460-00-4	
Toluene-d8 (S)		101	%.	86-110	1		11/05/16 03:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(23-26)		Lab ID: 50158272008	Collected: 11/04/16 11:30	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/05/16 03:37	67-64-1	
Benzene	0.26J	ug/L	5.0	1		11/05/16 03:37	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/05/16 03:37	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/05/16 03:37	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/05/16 03:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/05/16 03:37	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/05/16 03:37	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/05/16 03:37	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/05/16 03:37	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/05/16 03:37	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/05/16 03:37	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/05/16 03:37	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/05/16 03:37	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/05/16 03:37	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/05/16 03:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/05/16 03:37	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 03:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 03:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 03:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/05/16 03:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/05/16 03:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/05/16 03:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/05/16 03:37	75-35-4	
cis-1,2-Dichloroethene	73.9	ug/L	5.0	1		11/05/16 03:37	156-59-2	
trans-1,2-Dichloroethene	22.3	ug/L	5.0	1		11/05/16 03:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/05/16 03:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 03:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 03:37	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/05/16 03:37	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/05/16 03:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/05/16 03:37	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/05/16 03:37	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/05/16 03:37	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/05/16 03:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/05/16 03:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/05/16 03:37	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/05/16 03:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/05/16 03:37	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/05/16 03:37	127-18-4	
Toluene	0.63J	ug/L	5.0	1		11/05/16 03:37	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/05/16 03:37	120-82-1	L3
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/05/16 03:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/05/16 03:37	79-00-5	
Trichloroethene	517	ug/L	50.0	10		11/07/16 14:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/05/16 03:37	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/05/16 03:37	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/05/16 03:37	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(23-26)		Lab ID: 50158272008		Collected: 11/04/16 11:30		Received: 11/04/16 17:19		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/05/16 03:37	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		98	%.	84-118	1		11/05/16 03:37	1868-53-7	
4-Bromofluorobenzene (S)		95	%.	79-116	1		11/05/16 03:37	460-00-4	
Toluene-d8 (S)		100	%.	86-110	1		11/05/16 03:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(20-23)		Lab ID: 50158272009	Collected: 11/04/16 11:40	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	5000	50		11/05/16 04:11	67-64-1	
Benzene	ND	ug/L	250	50		11/05/16 04:11	71-43-2	
Bromodichloromethane	ND	ug/L	250	50		11/05/16 04:11	75-27-4	
Bromoform	ND	ug/L	250	50		11/05/16 04:11	75-25-2	
Bromomethane	ND	ug/L	250	50		11/05/16 04:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	1250	50		11/05/16 04:11	78-93-3	
Carbon disulfide	ND	ug/L	500	50		11/05/16 04:11	75-15-0	
Carbon tetrachloride	ND	ug/L	250	50		11/05/16 04:11	56-23-5	
Chlorobenzene	ND	ug/L	250	50		11/05/16 04:11	108-90-7	
Chloroethane	ND	ug/L	250	50		11/05/16 04:11	75-00-3	
Chloroform	ND	ug/L	250	50		11/05/16 04:11	67-66-3	
Chloromethane	ND	ug/L	250	50		11/05/16 04:11	74-87-3	
Cyclohexane	ND	ug/L	5000	50		11/05/16 04:11	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	500	50		11/05/16 04:11	96-12-8	
Dibromochloromethane	ND	ug/L	250	50		11/05/16 04:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	250	50		11/05/16 04:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	250	50		11/05/16 04:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	250	50		11/05/16 04:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	250	50		11/05/16 04:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	250	50		11/05/16 04:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	250	50		11/05/16 04:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	250	50		11/05/16 04:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	250	50		11/05/16 04:11	75-35-4	
cis-1,2-Dichloroethene	954	ug/L	250	50		11/05/16 04:11	156-59-2	
trans-1,2-Dichloroethene	54.9J	ug/L	250	50		11/05/16 04:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	250	50		11/05/16 04:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	250	50		11/05/16 04:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	250	50		11/05/16 04:11	10061-02-6	
Ethylbenzene	ND	ug/L	250	50		11/05/16 04:11	100-41-4	
2-Hexanone	ND	ug/L	1250	50		11/05/16 04:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	250	50		11/05/16 04:11	98-82-8	
Methyl acetate	ND	ug/L	2500	50		11/05/16 04:11	79-20-9	N2
Methylcyclohexane	ND	ug/L	2500	50		11/05/16 04:11	108-87-2	N2
Methylene Chloride	153J	ug/L	250	50		11/05/16 04:11	75-09-2	B
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1250	50		11/05/16 04:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	200	50		11/05/16 04:11	1634-04-4	
Styrene	ND	ug/L	250	50		11/05/16 04:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	250	50		11/05/16 04:11	79-34-5	
Tetrachloroethene	ND	ug/L	250	50		11/05/16 04:11	127-18-4	
Toluene	ND	ug/L	250	50		11/05/16 04:11	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	250	50		11/05/16 04:11	120-82-1	L3
1,1,1-Trichloroethane	ND	ug/L	250	50		11/05/16 04:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	250	50		11/05/16 04:11	79-00-5	
Trichloroethene	3930	ug/L	250	50		11/05/16 04:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	250	50		11/05/16 04:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	250	50		11/05/16 04:11	76-13-1	
Vinyl chloride	67.6J	ug/L	100	50		11/05/16 04:11	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1606(20-23)		Lab ID: 50158272009		Collected: 11/04/16 11:40		Received: 11/04/16 17:19		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	500	50		11/05/16 04:11	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		96	%.	84-118	50		11/05/16 04:11	1868-53-7	D4
4-Bromofluorobenzene (S)		91	%.	79-116	50		11/05/16 04:11	460-00-4	
Toluene-d8 (S)		100	%.	86-110	50		11/05/16 04:11	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1607(37-40)		Lab ID: 50158272010	Collected: 11/04/16 12:55	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/05/16 04:45	67-64-1	
Benzene	ND	ug/L	5.0	1		11/05/16 04:45	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/05/16 04:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/05/16 04:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/05/16 04:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/05/16 04:45	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/05/16 04:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/05/16 04:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/05/16 04:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/05/16 04:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/05/16 04:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/05/16 04:45	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/05/16 04:45	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/05/16 04:45	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/05/16 04:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/05/16 04:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 04:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 04:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 04:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/05/16 04:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/05/16 04:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/05/16 04:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/05/16 04:45	75-35-4	
cis-1,2-Dichloroethene	4.3J	ug/L	5.0	1		11/05/16 04:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/05/16 04:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/05/16 04:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 04:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 04:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/05/16 04:45	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/05/16 04:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/05/16 04:45	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/05/16 04:45	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/05/16 04:45	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/05/16 04:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/05/16 04:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/05/16 04:45	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/05/16 04:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/05/16 04:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/05/16 04:45	127-18-4	
Toluene	0.25J	ug/L	5.0	1		11/05/16 04:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/05/16 04:45	120-82-1	L3
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/05/16 04:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/05/16 04:45	79-00-5	
Trichloroethene	7.9	ug/L	5.0	1		11/05/16 04:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/05/16 04:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/05/16 04:45	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/05/16 04:45	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1607(37-40)		Lab ID: 50158272010		Collected: 11/04/16 12:55		Received: 11/04/16 17:19		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/05/16 04:45	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	99	%.	84-118	1		11/05/16 04:45	1868-53-7		
4-Bromofluorobenzene (S)	94	%.	79-116	1		11/05/16 04:45	460-00-4		
Toluene-d8 (S)	101	%.	86-110	1		11/05/16 04:45	2037-26-5		

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1607(34-37)		Lab ID: 50158272011	Collected: 11/04/16 13:10	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/05/16 05:19	67-64-1	
Benzene	ND	ug/L	5.0	1		11/05/16 05:19	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/05/16 05:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/05/16 05:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/05/16 05:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/05/16 05:19	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/05/16 05:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/05/16 05:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/05/16 05:19	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/05/16 05:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/05/16 05:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/05/16 05:19	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/05/16 05:19	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/05/16 05:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/05/16 05:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/05/16 05:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 05:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 05:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 05:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/05/16 05:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/05/16 05:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/05/16 05:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/05/16 05:19	75-35-4	
cis-1,2-Dichloroethene	5.5	ug/L	5.0	1		11/05/16 05:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/05/16 05:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/05/16 05:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 05:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 05:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/05/16 05:19	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/05/16 05:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/05/16 05:19	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/05/16 05:19	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/05/16 05:19	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/05/16 05:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/05/16 05:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/05/16 05:19	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/05/16 05:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/05/16 05:19	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/05/16 05:19	127-18-4	
Toluene	0.27J	ug/L	5.0	1		11/05/16 05:19	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/05/16 05:19	120-82-1	L3
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/05/16 05:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/05/16 05:19	79-00-5	
Trichloroethene	7.7	ug/L	5.0	1		11/05/16 05:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/05/16 05:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/05/16 05:19	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/05/16 05:19	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1607(34-37)		Lab ID: 50158272011		Collected: 11/04/16 13:10		Received: 11/04/16 17:19		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/05/16 05:19	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	1		11/05/16 05:19	1868-53-7	
4-Bromofluorobenzene (S)		90	%.	79-116	1		11/05/16 05:19	460-00-4	
Toluene-d8 (S)		97	%.	86-110	1		11/05/16 05:19	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1607(31-34)		Lab ID: 50158272012	Collected: 11/04/16 13:35	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/07/16 12:57	67-64-1	
Benzene	ND	ug/L	5.0	1		11/07/16 12:57	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/07/16 12:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/07/16 12:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/07/16 12:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/07/16 12:57	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/07/16 12:57	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/07/16 12:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/07/16 12:57	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/07/16 12:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/07/16 12:57	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/07/16 12:57	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/07/16 12:57	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/07/16 12:57	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/07/16 12:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/07/16 12:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 12:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 12:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 12:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/07/16 12:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/07/16 12:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/07/16 12:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/07/16 12:57	75-35-4	
cis-1,2-Dichloroethene	10.0	ug/L	5.0	1		11/07/16 12:57	156-59-2	
trans-1,2-Dichloroethene	0.20J	ug/L	5.0	1		11/07/16 12:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/07/16 12:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/07/16 12:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/07/16 12:57	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/07/16 12:57	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/07/16 12:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/07/16 12:57	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/07/16 12:57	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/07/16 12:57	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/07/16 12:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/07/16 12:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/07/16 12:57	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/07/16 12:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/07/16 12:57	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/07/16 12:57	127-18-4	
Toluene	0.27J	ug/L	5.0	1		11/07/16 12:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/07/16 12:57	120-82-1	L3
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/07/16 12:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/07/16 12:57	79-00-5	
Trichloroethene	10.3	ug/L	5.0	1		11/07/16 12:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/07/16 12:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/07/16 12:57	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/07/16 12:57	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1607(31-34)		Lab ID: 50158272012		Collected: 11/04/16 13:35		Received: 11/04/16 17:19		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/07/16 12:57	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		100	%.	84-118	1		11/07/16 12:57	1868-53-7	
4-Bromofluorobenzene (S)		92	%.	79-116	1		11/07/16 12:57	460-00-4	
Toluene-d8 (S)		98	%.	86-110	1		11/07/16 12:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1607(28-31)		Lab ID: 50158272013	Collected: 11/04/16 13:55	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/07/16 13:31	67-64-1	
Benzene	ND	ug/L	5.0	1		11/07/16 13:31	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/07/16 13:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/07/16 13:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/07/16 13:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/07/16 13:31	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/07/16 13:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/07/16 13:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/07/16 13:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/07/16 13:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/07/16 13:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/07/16 13:31	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/07/16 13:31	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/07/16 13:31	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/07/16 13:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/07/16 13:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 13:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 13:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 13:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/07/16 13:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/07/16 13:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/07/16 13:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/07/16 13:31	75-35-4	
cis-1,2-Dichloroethene	32.8	ug/L	5.0	1		11/07/16 13:31	156-59-2	
trans-1,2-Dichloroethene	1.6J	ug/L	5.0	1		11/07/16 13:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/07/16 13:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/07/16 13:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/07/16 13:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/07/16 13:31	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/07/16 13:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/07/16 13:31	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/07/16 13:31	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/07/16 13:31	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/07/16 13:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/07/16 13:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/07/16 13:31	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/07/16 13:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/07/16 13:31	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/07/16 13:31	127-18-4	
Toluene	0.29J	ug/L	5.0	1		11/07/16 13:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/07/16 13:31	120-82-1	L3
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/07/16 13:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/07/16 13:31	79-00-5	
Trichloroethene	33.2	ug/L	5.0	1		11/07/16 13:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/07/16 13:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/07/16 13:31	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/07/16 13:31	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1607(28-31)		Lab ID: 50158272013		Collected: 11/04/16 13:55		Received: 11/04/16 17:19		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/07/16 13:31	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		98	%.	84-118	1		11/07/16 13:31	1868-53-7	
4-Bromofluorobenzene (S)		93	%.	79-116	1		11/07/16 13:31	460-00-4	
Toluene-d8 (S)		100	%.	86-110	1		11/07/16 13:31	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1607(25-28)		Lab ID: 50158272014	Collected: 11/04/16 14:15	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/05/16 07:02	67-64-1	
Benzene	ND	ug/L	5.0	1		11/05/16 07:02	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/05/16 07:02	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/05/16 07:02	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/05/16 07:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/05/16 07:02	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/05/16 07:02	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/05/16 07:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/05/16 07:02	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/05/16 07:02	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/05/16 07:02	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/05/16 07:02	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/05/16 07:02	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/05/16 07:02	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/05/16 07:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/05/16 07:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 07:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 07:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 07:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/05/16 07:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/05/16 07:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/05/16 07:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/05/16 07:02	75-35-4	
cis-1,2-Dichloroethene	41.8	ug/L	5.0	1		11/05/16 07:02	156-59-2	
trans-1,2-Dichloroethene	2.7J	ug/L	5.0	1		11/05/16 07:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/05/16 07:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 07:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 07:02	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/05/16 07:02	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/05/16 07:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/05/16 07:02	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/05/16 07:02	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/05/16 07:02	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/05/16 07:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/05/16 07:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/05/16 07:02	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/05/16 07:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/05/16 07:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/05/16 07:02	127-18-4	
Toluene	0.37J	ug/L	5.0	1		11/05/16 07:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/05/16 07:02	120-82-1	L3
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/05/16 07:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/05/16 07:02	79-00-5	
Trichloroethene	56.1	ug/L	5.0	1		11/05/16 07:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/05/16 07:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/05/16 07:02	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/05/16 07:02	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1607(25-28)		Lab ID: 50158272014		Collected: 11/04/16 14:15		Received: 11/04/16 17:19		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/05/16 07:02	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	97	%.	84-118	1		11/05/16 07:02	1868-53-7		
4-Bromofluorobenzene (S)	93	%.	79-116	1		11/05/16 07:02	460-00-4		
Toluene-d8 (S)	103	%.	86-110	1		11/05/16 07:02	2037-26-5		

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1607(22-25)		Lab ID: 50158272015	Collected: 11/04/16 14:25	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	1000	10		11/05/16 07:37	67-64-1	
Benzene	ND	ug/L	50.0	10		11/05/16 07:37	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		11/05/16 07:37	75-27-4	
Bromoform	ND	ug/L	50.0	10		11/05/16 07:37	75-25-2	
Bromomethane	ND	ug/L	50.0	10		11/05/16 07:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		11/05/16 07:37	78-93-3	
Carbon disulfide	ND	ug/L	100	10		11/05/16 07:37	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		11/05/16 07:37	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		11/05/16 07:37	108-90-7	
Chloroethane	ND	ug/L	50.0	10		11/05/16 07:37	75-00-3	
Chloroform	ND	ug/L	50.0	10		11/05/16 07:37	67-66-3	
Chloromethane	ND	ug/L	50.0	10		11/05/16 07:37	74-87-3	
Cyclohexane	ND	ug/L	1000	10		11/05/16 07:37	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		11/05/16 07:37	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		11/05/16 07:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		11/05/16 07:37	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		11/05/16 07:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		11/05/16 07:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		11/05/16 07:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		11/05/16 07:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		11/05/16 07:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		11/05/16 07:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		11/05/16 07:37	75-35-4	
cis-1,2-Dichloroethene	55.3	ug/L	50.0	10		11/05/16 07:37	156-59-2	
trans-1,2-Dichloroethene	15.8J	ug/L	50.0	10		11/05/16 07:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		11/05/16 07:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		11/05/16 07:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		11/05/16 07:37	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		11/05/16 07:37	100-41-4	
2-Hexanone	ND	ug/L	250	10		11/05/16 07:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		11/05/16 07:37	98-82-8	
Methyl acetate	ND	ug/L	500	10		11/05/16 07:37	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		11/05/16 07:37	108-87-2	N2
Methylene Chloride	33.2J	ug/L	50.0	10		11/05/16 07:37	75-09-2	B
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		11/05/16 07:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		11/05/16 07:37	1634-04-4	
Styrene	ND	ug/L	50.0	10		11/05/16 07:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		11/05/16 07:37	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		11/05/16 07:37	127-18-4	
Toluene	ND	ug/L	50.0	10		11/05/16 07:37	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		11/05/16 07:37	120-82-1	L3
1,1,1-Trichloroethane	ND	ug/L	50.0	10		11/05/16 07:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		11/05/16 07:37	79-00-5	
Trichloroethene	463	ug/L	50.0	10		11/05/16 07:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		11/05/16 07:37	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		11/05/16 07:37	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		11/05/16 07:37	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1607(22-25)		Lab ID: 50158272015		Collected: 11/04/16 14:25		Received: 11/04/16 17:19		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	100	10		11/05/16 07:37	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		96	%.	84-118	10		11/05/16 07:37	1868-53-7	D4
4-Bromofluorobenzene (S)		96	%.	79-116	10		11/05/16 07:37	460-00-4	
Toluene-d8 (S)		101	%.	86-110	10		11/05/16 07:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1607(19-22)		Lab ID: 50158272016	Collected: 11/04/16 14:40	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/05/16 08:11	67-64-1	
Benzene	ND	ug/L	5.0	1		11/05/16 08:11	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/05/16 08:11	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/05/16 08:11	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/05/16 08:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/05/16 08:11	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/05/16 08:11	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/05/16 08:11	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/05/16 08:11	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/05/16 08:11	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/05/16 08:11	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/05/16 08:11	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/05/16 08:11	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/05/16 08:11	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/05/16 08:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/05/16 08:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 08:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 08:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 08:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/05/16 08:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/05/16 08:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/05/16 08:11	107-06-2	
1,1-Dichloroethene	0.80J	ug/L	5.0	1		11/05/16 08:11	75-35-4	
cis-1,2-Dichloroethene	422	ug/L	125	25		11/07/16 14:23	156-59-2	
trans-1,2-Dichloroethene	37.0	ug/L	5.0	1		11/05/16 08:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/05/16 08:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 08:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 08:11	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/05/16 08:11	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/05/16 08:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/05/16 08:11	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/05/16 08:11	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/05/16 08:11	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/05/16 08:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/05/16 08:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/05/16 08:11	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/05/16 08:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/05/16 08:11	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/05/16 08:11	127-18-4	
Toluene	0.42J	ug/L	5.0	1		11/05/16 08:11	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/05/16 08:11	120-82-1	L3
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/05/16 08:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/05/16 08:11	79-00-5	
Trichloroethene	1310	ug/L	125	25		11/07/16 14:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/05/16 08:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/05/16 08:11	76-13-1	
Vinyl chloride	32.4	ug/L	2.0	1		11/05/16 08:11	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: SB-1607(19-22)		Lab ID: 50158272016		Collected: 11/04/16 14:40		Received: 11/04/16 17:19		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/05/16 08:11	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	98	%.	84-118	1		11/05/16 08:11	1868-53-7		
4-Bromofluorobenzene (S)	92	%.	79-116	1		11/05/16 08:11	460-00-4		
Toluene-d8 (S)	100	%.	86-110	1		11/05/16 08:11	2037-26-5		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: Piezo-SB-1605(110416)		Lab ID: 50158272017	Collected: 11/04/16 12:40	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/05/16 19:00	67-64-1	
Benzene	ND	ug/L	5.0	1		11/05/16 19:00	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/05/16 19:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/05/16 19:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/05/16 19:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/05/16 19:00	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/05/16 19:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/05/16 19:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/05/16 19:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/05/16 19:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/05/16 19:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/05/16 19:00	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/05/16 19:00	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/05/16 19:00	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/05/16 19:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/05/16 19:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 19:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 19:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 19:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/05/16 19:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/05/16 19:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/05/16 19:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/05/16 19:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/05/16 19:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/05/16 19:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/05/16 19:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 19:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 19:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/05/16 19:00	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/05/16 19:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/05/16 19:00	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/05/16 19:00	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/05/16 19:00	108-87-2	N2
Methylene Chloride	1.7J	ug/L	5.0	1		11/05/16 19:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/05/16 19:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/05/16 19:00	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/05/16 19:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/05/16 19:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/05/16 19:00	127-18-4	
Toluene	0.80J	ug/L	5.0	1		11/05/16 19:00	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/05/16 19:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/05/16 19:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/05/16 19:00	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/05/16 19:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/05/16 19:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/05/16 19:00	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/05/16 19:00	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: Piezo-SB-1605(110416)		Lab ID: 50158272017	Collected: 11/04/16 12:40	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		11/05/16 19:00	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%.	84-118	1		11/05/16 19:00	1868-53-7	HS,p2
4-Bromofluorobenzene (S)	104	%.	79-116	1		11/05/16 19:00	460-00-4	
Toluene-d8 (S)	100	%.	86-110	1		11/05/16 19:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: Piezo-SB-1606(110416)		Lab ID: 50158272018	Collected: 11/04/16 15:05	Received: 11/04/16 17:19	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/05/16 19:24	67-64-1	
Benzene	ND	ug/L	5.0	1		11/05/16 19:24	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/05/16 19:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/05/16 19:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/05/16 19:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/05/16 19:24	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/05/16 19:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/05/16 19:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/05/16 19:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/05/16 19:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/05/16 19:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/05/16 19:24	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/05/16 19:24	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/05/16 19:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/05/16 19:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/05/16 19:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 19:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 19:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/05/16 19:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/05/16 19:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/05/16 19:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/05/16 19:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/05/16 19:24	75-35-4	
cis-1,2-Dichloroethene	41.3	ug/L	5.0	1		11/05/16 19:24	156-59-2	
trans-1,2-Dichloroethene	2.4J	ug/L	5.0	1		11/05/16 19:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/05/16 19:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 19:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/05/16 19:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/05/16 19:24	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/05/16 19:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/05/16 19:24	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/05/16 19:24	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/05/16 19:24	108-87-2	N2
Methylene Chloride	3.0J	ug/L	5.0	1		11/05/16 19:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/05/16 19:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/05/16 19:24	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/05/16 19:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/05/16 19:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/05/16 19:24	127-18-4	
Toluene	0.43J	ug/L	5.0	1		11/05/16 19:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/05/16 19:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/05/16 19:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/05/16 19:24	79-00-5	
Trichloroethene	2.8J	ug/L	5.0	1		11/05/16 19:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/05/16 19:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/05/16 19:24	76-13-1	
Vinyl chloride	9.4	ug/L	2.0	1		11/05/16 19:24	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo Racer

Pace Project No.: 50158272

Sample: Piezo-SB-1606(110416)		Lab ID: 50158272018		Collected: 11/04/16 15:05		Received: 11/04/16 17:19		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/05/16 19:24	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		112	%.	84-118	1		11/05/16 19:24	1868-53-7	HS,p2
4-Bromofluorobenzene (S)		96	%.	79-116	1		11/05/16 19:24	460-00-4	
Toluene-d8 (S)		90	%.	86-110	1		11/05/16 19:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Kokomo Racer

Pace Project No.: 50158272

QC Batch: 359733

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50158272001, 50158272002, 50158272003

METHOD BLANK: 1662528

Matrix: Water

Associated Lab Samples: 50158272001, 50158272002, 50158272003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/04/16 23:54	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/04/16 23:54	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/04/16 23:54	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/04/16 23:54	
1,1-Dichloroethane	ug/L	ND	5.0	11/04/16 23:54	
1,1-Dichloroethene	ug/L	ND	5.0	11/04/16 23:54	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/04/16 23:54	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/04/16 23:54	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/04/16 23:54	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/04/16 23:54	
1,2-Dichloroethane	ug/L	ND	5.0	11/04/16 23:54	
1,2-Dichloropropane	ug/L	ND	5.0	11/04/16 23:54	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/04/16 23:54	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/04/16 23:54	
2-Butanone (MEK)	ug/L	ND	25.0	11/04/16 23:54	
2-Hexanone	ug/L	ND	25.0	11/04/16 23:54	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/04/16 23:54	
Acetone	ug/L	ND	100	11/04/16 23:54	
Benzene	ug/L	ND	5.0	11/04/16 23:54	
Bromodichloromethane	ug/L	ND	5.0	11/04/16 23:54	
Bromoform	ug/L	ND	5.0	11/04/16 23:54	
Bromomethane	ug/L	ND	5.0	11/04/16 23:54	
Carbon disulfide	ug/L	ND	10.0	11/04/16 23:54	
Carbon tetrachloride	ug/L	ND	5.0	11/04/16 23:54	
Chlorobenzene	ug/L	ND	5.0	11/04/16 23:54	
Chloroethane	ug/L	ND	5.0	11/04/16 23:54	
Chloroform	ug/L	ND	5.0	11/04/16 23:54	
Chloromethane	ug/L	ND	5.0	11/04/16 23:54	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/04/16 23:54	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/04/16 23:54	
Cyclohexane	ug/L	ND	100	11/04/16 23:54	N2
Dibromochloromethane	ug/L	ND	5.0	11/04/16 23:54	
Dichlorodifluoromethane	ug/L	ND	5.0	11/04/16 23:54	
Ethylbenzene	ug/L	ND	5.0	11/04/16 23:54	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/04/16 23:54	
Methyl acetate	ug/L	ND	50.0	11/04/16 23:54	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/04/16 23:54	
Methylcyclohexane	ug/L	ND	50.0	11/04/16 23:54	N2
Methylene Chloride	ug/L	1.9J	5.0	11/04/16 23:54	
Styrene	ug/L	ND	5.0	11/04/16 23:54	
Tetrachloroethene	ug/L	ND	5.0	11/04/16 23:54	

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QUALITY CONTROL DATA

Project: Kokomo Racer

Pace Project No.: 50158272

METHOD BLANK: 1662528

Matrix: Water

Associated Lab Samples: 50158272001, 50158272002, 50158272003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/04/16 23:54	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/04/16 23:54	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/04/16 23:54	
Trichloroethene	ug/L	ND	5.0	11/04/16 23:54	
Trichlorofluoromethane	ug/L	ND	5.0	11/04/16 23:54	
Vinyl chloride	ug/L	ND	2.0	11/04/16 23:54	
Xylene (Total)	ug/L	ND	10.0	11/04/16 23:54	
4-Bromofluorobenzene (S)	%	95	79-116	11/04/16 23:54	
Dibromofluoromethane (S)	%	97	84-118	11/04/16 23:54	
Toluene-d8 (S)	%	103	86-110	11/04/16 23:54	

LABORATORY CONTROL SAMPLE: 1662529

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.2	100	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	52.6	105	72-124	
1,1,2-Trichloroethane	ug/L	50	57.7	115	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	52.8	106	80-111	
1,1-Dichloroethane	ug/L	50	54.0	108	70-120	
1,1-Dichloroethene	ug/L	50	53.1	106	69-127	
1,2,4-Trichlorobenzene	ug/L	50	59.3	119	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	61.2	122	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	54.8	110	76-125	
1,2-Dichlorobenzene	ug/L	50	53.8	108	77-122	
1,2-Dichloroethane	ug/L	50	48.9	98	70-123	
1,2-Dichloropropane	ug/L	50	45.9	92	77-124	
1,3-Dichlorobenzene	ug/L	50	53.9	108	76-124	
1,4-Dichlorobenzene	ug/L	50	53.9	108	75-117	
2-Butanone (MEK)	ug/L	250	231	92	60-135	
2-Hexanone	ug/L	250	261	104	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	259	104	66-134	
Acetone	ug/L	250	239	96	47-144	
Benzene	ug/L	50	50.1	100	76-122	
Bromodichloromethane	ug/L	50	56.5	113	71-124	
Bromoform	ug/L	50	55.9	112	60-125	
Bromomethane	ug/L	50	37.4	75	23-194	
Carbon disulfide	ug/L	50	52.1	104	63-130	
Carbon tetrachloride	ug/L	50	65.2	130	73-133	
Chlorobenzene	ug/L	50	51.7	103	76-118	
Chloroethane	ug/L	50	46.7	93	50-147	
Chloroform	ug/L	50	51.7	103	70-119	
Chloromethane	ug/L	50	39.6	79	52-136	
cis-1,2-Dichloroethene	ug/L	50	54.4	109	74-120	
cis-1,3-Dichloropropene	ug/L	50	51.9	104	71-134	

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QUALITY CONTROL DATA

Project: Kokomo Racer

Pace Project No.: 50158272

LABORATORY CONTROL SAMPLE: 1662529

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	53.7J	107	86-122	N2
Dibromochloromethane	ug/L	50	58.8	118	73-127	
Dichlorodifluoromethane	ug/L	50	52.4	105	39-166	
Ethylbenzene	ug/L	50	58.6	117	75-123	
Isopropylbenzene (Cumene)	ug/L	50	54.5	109	84-134	
Methyl acetate	ug/L	50	69.6	139	68-192	N2
Methyl-tert-butyl ether	ug/L	50	52.0	104	65-131	
Methylcyclohexane	ug/L	50	52.1	104	89-122	N2
Methylene Chloride	ug/L	50	48.6	97	66-130	
Styrene	ug/L	50	56.9	114	78-128	
Tetrachloroethene	ug/L	50	54.8	110	69-119	
Toluene	ug/L	50	53.4	107	74-122	
trans-1,2-Dichloroethene	ug/L	50	53.1	106	72-122	
trans-1,3-Dichloropropene	ug/L	50	53.7	107	66-135	
Trichloroethene	ug/L	50	48.3	97	75-123	
Trichlorofluoromethane	ug/L	50	62.7	125	58-148	
Vinyl chloride	ug/L	50	50.7	101	61-147	
Xylene (Total)	ug/L	150	164	109	75-127	
4-Bromofluorobenzene (S)	%			99	79-116	
Dibromofluoromethane (S)	%			100	84-118	
Toluene-d8 (S)	%			102	86-110	

MATRIX SPIKE SAMPLE: 1663810

Parameter	Units	50157911006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	42.5	85	51-140	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	51.4	103	49-138	
1,1,2-Trichloroethane	ug/L	ND	50	54.2	108	51-138	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	40.5	81	59-124	
1,1-Dichloroethane	ug/L	ND	50	46.5	93	48-137	
1,1-Dichloroethene	ug/L	ND	50	45.2	90	51-144	
1,2,4-Trichlorobenzene	ug/L	ND	50	50.1	100	27-134	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	57.4	115	37-127	
1,2-Dibromoethane (EDB)	ug/L	ND	50	53.8	108	52-134	
1,2-Dichlorobenzene	ug/L	ND	50	45.9	92	38-138	
1,2-Dichloroethane	ug/L	ND	50	45.9	92	44-144	
1,2-Dichloropropane	ug/L	ND	50	40.5	81	56-138	
1,3-Dichlorobenzene	ug/L	ND	50	42.6	85	36-139	
1,4-Dichlorobenzene	ug/L	ND	50	45.8	92	34-134	
2-Butanone (MEK)	ug/L	ND	250	227	91	44-142	
2-Hexanone	ug/L	ND	250	259	104	43-150	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	251	100	46-143	
Acetone	ug/L	ND	250	229	92	33-150	
Benzene	ug/L	ND	50	44.7	89	51-140	
Bromodichloromethane	ug/L	ND	50	50.9	102	46-137	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Kokomo Racer

Pace Project No.: 50158272

MATRIX SPIKE SAMPLE:		1663810					
Parameter	Units	50157911006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	ND	50	55.2	110	36-127	
Bromomethane	ug/L	ND	50	25.1	50	10-188	
Carbon disulfide	ug/L	ND	50	44.3	89	35-148	
Carbon tetrachloride	ug/L	ND	50	53.7	107	45-151	
Chlorobenzene	ug/L	ND	50	44.6	89	45-138	
Chloroethane	ug/L	ND	50	43.0	86	33-164	
Chloroform	ug/L	ND	50	46.4	93	50-135	
Chloromethane	ug/L	ND	50	36.5	73	38-146	
cis-1,2-Dichloroethene	ug/L	ND	50	48.9	98	43-144	
cis-1,3-Dichloropropene	ug/L	ND	50	46.8	94	42-136	
Cyclohexane	ug/L	ND	50	38.7J	77	67-139	N2
Dibromochloromethane	ug/L	ND	50	56.9	114	45-136	
Dichlorodifluoromethane	ug/L	ND	50	44.9	90	29-174	
Ethylbenzene	ug/L	ND	50	47.0	94	36-146	
Isopropylbenzene (Cumene)	ug/L	ND	50	42.0	84	43-159	
Methyl acetate	ug/L	ND	50	49.3J	99	33-183	N2
Methyl-tert-butyl ether	ug/L	ND	50	43.6	87	43-146	
Methylcyclohexane	ug/L	ND	50	37.8J	76	60-140	N2
Methylene Chloride	ug/L	ND	50	43.8	88	48-140	
Styrene	ug/L	ND	50	49.4	99	31-148	
Tetrachloroethene	ug/L	ND	50	43.6	87	38-139	
Toluene	ug/L	ND	50	44.6	89	44-140	
trans-1,2-Dichloroethene	ug/L	ND	50	45.8	92	50-139	
trans-1,3-Dichloropropene	ug/L	ND	50	50.3	101	37-138	
Trichloroethene	ug/L	ND	50	40.6	81	44-146	
Trichlorofluoromethane	ug/L	ND	50	51.4	103	41-164	
Vinyl chloride	ug/L	ND	50	45.4	91	43-166	
Xylene (Total)	ug/L	ND	150	134	89	35-146	
4-Bromofluorobenzene (S)	%				99	79-116	
Dibromofluoromethane (S)	%				97	84-118	
Toluene-d8 (S)	%				102	86-110	

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QUALITY CONTROL DATA

Project: Kokomo Racer

Pace Project No.: 50158272

QC Batch:	359735	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	50158272004, 50158272005, 50158272006, 50158272007, 50158272008, 50158272009, 50158272010, 50158272011, 50158272014, 50158272015, 50158272016		

METHOD BLANK:	1662532	Matrix:	Water
Associated Lab Samples:	50158272004, 50158272005, 50158272006, 50158272007, 50158272008, 50158272009, 50158272010, 50158272011, 50158272014, 50158272015, 50158272016		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/05/16 00:11	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/05/16 00:11	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/05/16 00:11	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/05/16 00:11	
1,1-Dichloroethane	ug/L	ND	5.0	11/05/16 00:11	
1,1-Dichloroethene	ug/L	ND	5.0	11/05/16 00:11	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/05/16 00:11	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/05/16 00:11	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/05/16 00:11	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/05/16 00:11	
1,2-Dichloroethane	ug/L	ND	5.0	11/05/16 00:11	
1,2-Dichloropropane	ug/L	ND	5.0	11/05/16 00:11	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/05/16 00:11	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/05/16 00:11	
2-Butanone (MEK)	ug/L	ND	25.0	11/05/16 00:11	
2-Hexanone	ug/L	ND	25.0	11/05/16 00:11	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/05/16 00:11	
Acetone	ug/L	ND	100	11/05/16 00:11	
Benzene	ug/L	ND	5.0	11/05/16 00:11	
Bromodichloromethane	ug/L	ND	5.0	11/05/16 00:11	
Bromoform	ug/L	ND	5.0	11/05/16 00:11	
Bromomethane	ug/L	ND	5.0	11/05/16 00:11	
Carbon disulfide	ug/L	ND	10.0	11/05/16 00:11	
Carbon tetrachloride	ug/L	ND	5.0	11/05/16 00:11	
Chlorobenzene	ug/L	ND	5.0	11/05/16 00:11	
Chloroethane	ug/L	ND	5.0	11/05/16 00:11	
Chloroform	ug/L	ND	5.0	11/05/16 00:11	
Chloromethane	ug/L	ND	5.0	11/05/16 00:11	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/05/16 00:11	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/05/16 00:11	
Cyclohexane	ug/L	ND	100	11/05/16 00:11	N2
Dibromochloromethane	ug/L	ND	5.0	11/05/16 00:11	
Dichlorodifluoromethane	ug/L	ND	5.0	11/05/16 00:11	
Ethylbenzene	ug/L	ND	5.0	11/05/16 00:11	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/05/16 00:11	
Methyl acetate	ug/L	ND	50.0	11/05/16 00:11	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/05/16 00:11	
Methylcyclohexane	ug/L	ND	50.0	11/05/16 00:11	N2
Methylene Chloride	ug/L	1.8J	5.0	11/05/16 00:11	
Styrene	ug/L	ND	5.0	11/05/16 00:11	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Kokomo Racer

Pace Project No.: 50158272

METHOD BLANK: 1662532

Matrix: Water

Associated Lab Samples: 50158272004, 50158272005, 50158272006, 50158272007, 50158272008, 50158272009, 50158272010, 50158272011, 50158272014, 50158272015, 50158272016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	5.0	11/05/16 00:11	
Toluene	ug/L	ND	5.0	11/05/16 00:11	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/05/16 00:11	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/05/16 00:11	
Trichloroethene	ug/L	ND	5.0	11/05/16 00:11	
Trichlorofluoromethane	ug/L	ND	5.0	11/05/16 00:11	
Vinyl chloride	ug/L	ND	2.0	11/05/16 00:11	
Xylene (Total)	ug/L	ND	10.0	11/05/16 00:11	
4-Bromofluorobenzene (S)	%	92	79-116	11/05/16 00:11	
Dibromofluoromethane (S)	%	96	84-118	11/05/16 00:11	
Toluene-d8 (S)	%	99	86-110	11/05/16 00:11	

LABORATORY CONTROL SAMPLE: 1662533

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.4	99	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	54.1	108	72-124	
1,1,2-Trichloroethane	ug/L	50	53.7	107	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	50.2	100	80-111	
1,1-Dichloroethane	ug/L	50	51.5	103	70-120	
1,1-Dichloroethene	ug/L	50	50.5	101	69-127	
1,2,4-Trichlorobenzene	ug/L	50	67.9	136	66-126	L0
1,2-Dibromo-3-chloropropane	ug/L	50	56.7	113	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	56.9	114	76-125	
1,2-Dichlorobenzene	ug/L	50	57.3	115	77-122	
1,2-Dichloroethane	ug/L	50	51.5	103	70-123	
1,2-Dichloropropane	ug/L	50	47.0	94	77-124	
1,3-Dichlorobenzene	ug/L	50	60.6	121	76-124	
1,4-Dichlorobenzene	ug/L	50	54.5	109	75-117	
2-Butanone (MEK)	ug/L	250	240	96	60-135	
2-Hexanone	ug/L	250	261	105	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	255	102	66-134	
Acetone	ug/L	250	243	97	47-144	
Benzene	ug/L	50	51.6	103	76-122	
Bromodichloromethane	ug/L	50	53.5	107	71-124	
Bromoform	ug/L	50	61.2	122	60-125	
Bromomethane	ug/L	50	36.3	73	23-194	
Carbon disulfide	ug/L	50	50.1	100	63-130	
Carbon tetrachloride	ug/L	50	54.9	110	73-133	
Chlorobenzene	ug/L	50	53.5	107	76-118	
Chloroethane	ug/L	50	59.4	119	50-147	
Chloroform	ug/L	50	51.2	102	70-119	
Chloromethane	ug/L	50	43.6	87	52-136	

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QUALITY CONTROL DATA

Project: Kokomo Racer

Pace Project No.: 50158272

LABORATORY CONTROL SAMPLE: 1662533

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	49.6	99	74-120	
cis-1,3-Dichloropropene	ug/L	50	50.2	100	71-134	
Cyclohexane	ug/L	50	51.6J	103	86-122	N2
Dibromochloromethane	ug/L	50	59.6	119	73-127	
Dichlorodifluoromethane	ug/L	50	52.7	105	39-166	
Ethylbenzene	ug/L	50	54.1	108	75-123	
Isopropylbenzene (Cumene)	ug/L	50	55.3	111	84-134	
Methyl acetate	ug/L	50	79.0	158	68-192	N2
Methyl-tert-butyl ether	ug/L	50	49.9	100	65-131	
Methylcyclohexane	ug/L	50	50.8	102	89-122	N2
Methylene Chloride	ug/L	50	48.3	97	66-130	
Styrene	ug/L	50	55.2	110	78-128	
Tetrachloroethene	ug/L	50	56.9	114	69-119	
Toluene	ug/L	50	55.9	112	74-122	
trans-1,2-Dichloroethene	ug/L	50	55.4	111	72-122	
trans-1,3-Dichloropropene	ug/L	50	51.0	102	66-135	
Trichloroethene	ug/L	50	48.3	97	75-123	
Trichlorofluoromethane	ug/L	50	63.0	126	58-148	
Vinyl chloride	ug/L	50	51.6	103	61-147	
Xylene (Total)	ug/L	150	168	112	75-127	
4-Bromofluorobenzene (S)	%			93	79-116	
Dibromofluoromethane (S)	%			99	84-118	
Toluene-d8 (S)	%			100	86-110	

MATRIX SPIKE SAMPLE: 1663815

Parameter	Units	50158272006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	54.9	110	51-140	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50.9	102	49-138	
1,1,2-Trichloroethane	ug/L	ND	50	58.6	117	51-138	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	56.1	112	59-124	
1,1-Dichloroethane	ug/L	ND	50	54.9	110	48-137	
1,1-Dichloroethene	ug/L	ND	50	56.7	113	51-144	
1,2,4-Trichlorobenzene	ug/L	ND	50	62.2	124	27-134	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	59.2	118	37-127	
1,2-Dibromoethane (EDB)	ug/L	ND	50	58.7	117	52-134	
1,2-Dichlorobenzene	ug/L	ND	50	56.1	112	38-138	
1,2-Dichloroethane	ug/L	ND	50	53.1	106	44-144	
1,2-Dichloropropane	ug/L	ND	50	49.8	100	56-138	
1,3-Dichlorobenzene	ug/L	ND	50	58.4	117	36-139	
1,4-Dichlorobenzene	ug/L	ND	50	55.6	111	34-134	
2-Butanone (MEK)	ug/L	ND	250	267	107	44-142	
2-Hexanone	ug/L	ND	250	281	112	43-150	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	276	110	46-143	
Acetone	ug/L	ND	250	249	100	33-150	

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QUALITY CONTROL DATA

Project: Kokomo Racer

Pace Project No.: 50158272

MATRIX SPIKE SAMPLE:		1663815					
Parameter	Units	50158272006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	ND	50	56.0	112	51-140	
Bromodichloromethane	ug/L	ND	50	55.4	111	46-137	
Bromoform	ug/L	ND	50	58.0	116	36-127	
Bromomethane	ug/L	ND	50	42.7	85	10-188	
Carbon disulfide	ug/L	ND	50	57.1	114	35-148	
Carbon tetrachloride	ug/L	ND	50	59.2	118	45-151	
Chlorobenzene	ug/L	ND	50	58.6	117	45-138	
Chloroethane	ug/L	ND	50	65.0	130	33-164	
Chloroform	ug/L	ND	50	55.0	110	50-135	
Chloromethane	ug/L	ND	50	51.2	102	38-146	
cis-1,2-Dichloroethene	ug/L	69.9	50	129	118	43-144	
cis-1,3-Dichloropropene	ug/L	ND	50	57.5	115	42-136	
Cyclohexane	ug/L	ND	50	58.3J	117	67-139	N2
Dibromochloromethane	ug/L	ND	50	64.1	128	45-136	
Dichlorodifluoromethane	ug/L	ND	50	65.0	130	29-174	
Ethylbenzene	ug/L	ND	50	60.3	120	36-146	
Isopropylbenzene (Cumene)	ug/L	ND	50	61.3	123	43-159	
Methyl acetate	ug/L	ND	50	72.8	146	33-183	N2
Methyl-tert-butyl ether	ug/L	ND	50	50.2	100	43-146	
Methylcyclohexane	ug/L	ND	50	55.8	112	60-140	N2
Methylene Chloride	ug/L	ND	50	52.0	104	48-140	
Styrene	ug/L	ND	50	59.8	120	31-148	
Tetrachloroethene	ug/L	ND	50	62.0	124	38-139	
Toluene	ug/L	0.48J	50	60.4	120	44-140	
trans-1,2-Dichloroethene	ug/L	11.8	50	72.5	122	50-139	
trans-1,3-Dichloropropene	ug/L	ND	50	56.5	113	37-138	
Trichloroethene	ug/L	203	50	260	113	44-146	
Trichlorofluoromethane	ug/L	ND	50	71.1	142	41-164	
Vinyl chloride	ug/L	ND	50	58.7	117	43-166	
Xylene (Total)	ug/L	ND	150	184	123	35-146	
4-Bromofluorobenzene (S)	%.				101	79-116	
Dibromofluoromethane (S)	%.				98	84-118	
Toluene-d8 (S)	%.				99	86-110	

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QUALITY CONTROL DATA

Project: Kokomo Racer

Pace Project No.: 50158272

QC Batch: 360027

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50158272017, 50158272018

METHOD BLANK: 1664131

Matrix: Water

Associated Lab Samples: 50158272017, 50158272018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/05/16 10:20	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/05/16 10:20	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/05/16 10:20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/05/16 10:20	
1,1-Dichloroethane	ug/L	ND	5.0	11/05/16 10:20	
1,1-Dichloroethene	ug/L	ND	5.0	11/05/16 10:20	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/05/16 10:20	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/05/16 10:20	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/05/16 10:20	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/05/16 10:20	
1,2-Dichloroethane	ug/L	ND	5.0	11/05/16 10:20	
1,2-Dichloropropane	ug/L	ND	5.0	11/05/16 10:20	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/05/16 10:20	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/05/16 10:20	
2-Butanone (MEK)	ug/L	ND	25.0	11/05/16 10:20	
2-Hexanone	ug/L	ND	25.0	11/05/16 10:20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/05/16 10:20	
Acetone	ug/L	ND	100	11/05/16 10:20	
Benzene	ug/L	ND	5.0	11/05/16 10:20	
Bromodichloromethane	ug/L	ND	5.0	11/05/16 10:20	
Bromoform	ug/L	ND	5.0	11/05/16 10:20	
Bromomethane	ug/L	ND	5.0	11/05/16 10:20	
Carbon disulfide	ug/L	ND	10.0	11/05/16 10:20	
Carbon tetrachloride	ug/L	ND	5.0	11/05/16 10:20	
Chlorobenzene	ug/L	ND	5.0	11/05/16 10:20	
Chloroethane	ug/L	ND	5.0	11/05/16 10:20	
Chloroform	ug/L	ND	5.0	11/05/16 10:20	
Chloromethane	ug/L	ND	5.0	11/05/16 10:20	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/05/16 10:20	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/05/16 10:20	
Cyclohexane	ug/L	ND	100	11/05/16 10:20	N2
Dibromochloromethane	ug/L	ND	5.0	11/05/16 10:20	
Dichlorodifluoromethane	ug/L	ND	5.0	11/05/16 10:20	
Ethylbenzene	ug/L	ND	5.0	11/05/16 10:20	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/05/16 10:20	
Methyl acetate	ug/L	ND	50.0	11/05/16 10:20	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/05/16 10:20	
Methylcyclohexane	ug/L	ND	50.0	11/05/16 10:20	N2
Methylene Chloride	ug/L	2.9J	5.0	11/05/16 10:20	
Styrene	ug/L	ND	5.0	11/05/16 10:20	
Tetrachloroethene	ug/L	ND	5.0	11/05/16 10:20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Kokomo Racer

Pace Project No.: 50158272

METHOD BLANK: 1664131

Matrix: Water

Associated Lab Samples: 50158272017, 50158272018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/05/16 10:20	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/05/16 10:20	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/05/16 10:20	
Trichloroethene	ug/L	ND	5.0	11/05/16 10:20	
Trichlorofluoromethane	ug/L	ND	5.0	11/05/16 10:20	
Vinyl chloride	ug/L	ND	2.0	11/05/16 10:20	
Xylene (Total)	ug/L	ND	10.0	11/05/16 10:20	
4-Bromofluorobenzene (S)	%	103	79-116	11/05/16 10:20	
Dibromofluoromethane (S)	%	107	84-118	11/05/16 10:20	
Toluene-d8 (S)	%	97	86-110	11/05/16 10:20	

LABORATORY CONTROL SAMPLE: 1664132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.6	99	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	44.1	88	72-124	
1,1,2-Trichloroethane	ug/L	50	48.5	97	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	44.4	89	80-111	
1,1-Dichloroethane	ug/L	50	50.3	101	70-120	
1,1-Dichloroethene	ug/L	50	43.0	86	69-127	
1,2,4-Trichlorobenzene	ug/L	50	39.0	78	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	48.9	98	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	53.4	107	76-125	
1,2-Dichlorobenzene	ug/L	50	44.0	88	77-122	
1,2-Dichloroethane	ug/L	50	46.6	93	70-123	
1,2-Dichloropropane	ug/L	50	46.9	94	77-124	
1,3-Dichlorobenzene	ug/L	50	42.1	84	76-124	
1,4-Dichlorobenzene	ug/L	50	41.9	84	75-117	
2-Butanone (MEK)	ug/L	250	258	103	60-135	
2-Hexanone	ug/L	250	216	86	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	209	83	66-134	
Acetone	ug/L	250	217	87	47-144	
Benzene	ug/L	50	40.3	81	76-122	
Bromodichloromethane	ug/L	50	48.4	97	71-124	
Bromoform	ug/L	50	45.4	91	60-125	
Bromomethane	ug/L	50	48.2	96	23-194	
Carbon disulfide	ug/L	50	35.9	72	63-130	
Carbon tetrachloride	ug/L	50	50.3	101	73-133	
Chlorobenzene	ug/L	50	47.6	95	76-118	
Chloroethane	ug/L	50	37.1	74	50-147	
Chloroform	ug/L	50	44.7	89	70-119	
Chloromethane	ug/L	50	29.3	59	52-136	
cis-1,2-Dichloroethene	ug/L	50	51.0	102	74-120	
cis-1,3-Dichloropropene	ug/L	50	46.4	93	71-134	

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QUALITY CONTROL DATA

Project: Kokomo Racer

Pace Project No.: 50158272

LABORATORY CONTROL SAMPLE: 1664132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	34.4J	69	86-122	N2
Dibromochloromethane	ug/L	50	51.1	102	73-127	
Dichlorodifluoromethane	ug/L	50	47.2	94	39-166	
Ethylbenzene	ug/L	50	49.4	99	75-123	
Isopropylbenzene (Cumene)	ug/L	50	49.8	100	84-134	
Methyl acetate	ug/L	50	52.5	105	68-192	N2
Methyl-tert-butyl ether	ug/L	50	51.8	104	65-131	
Methylcyclohexane	ug/L	50	47.2J	94	89-122	N2
Methylene Chloride	ug/L	50	51.0	102	66-130	
Styrene	ug/L	50	49.8	100	78-128	
Tetrachloroethene	ug/L	50	46.8	94	69-119	
Toluene	ug/L	50	44.6	89	74-122	
trans-1,2-Dichloroethene	ug/L	50	49.4	99	72-122	
trans-1,3-Dichloropropene	ug/L	50	48.4	97	66-135	
Trichloroethene	ug/L	50	53.1	106	75-123	
Trichlorofluoromethane	ug/L	50	53.2	106	58-148	
Vinyl chloride	ug/L	50	37.6	75	61-147	
Xylene (Total)	ug/L	150	147	98	75-127	
4-Bromofluorobenzene (S)	%			101	79-116	
Dibromofluoromethane (S)	%			84	84-118	
Toluene-d8 (S)	%			97	86-110	

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QUALITY CONTROL DATA

Project: Kokomo Racer

Pace Project No.: 50158272

QC Batch: 360209

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50158272012, 50158272013

METHOD BLANK: 1664716

Matrix: Water

Associated Lab Samples: 50158272012, 50158272013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/07/16 12:23	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/07/16 12:23	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/07/16 12:23	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/07/16 12:23	
1,1-Dichloroethane	ug/L	ND	5.0	11/07/16 12:23	
1,1-Dichloroethene	ug/L	ND	5.0	11/07/16 12:23	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/07/16 12:23	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/07/16 12:23	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/07/16 12:23	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/07/16 12:23	
1,2-Dichloroethane	ug/L	ND	5.0	11/07/16 12:23	
1,2-Dichloropropane	ug/L	ND	5.0	11/07/16 12:23	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/07/16 12:23	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/07/16 12:23	
2-Butanone (MEK)	ug/L	ND	25.0	11/07/16 12:23	
2-Hexanone	ug/L	ND	25.0	11/07/16 12:23	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/07/16 12:23	
Acetone	ug/L	ND	100	11/07/16 12:23	
Benzene	ug/L	ND	5.0	11/07/16 12:23	
Bromodichloromethane	ug/L	ND	5.0	11/07/16 12:23	
Bromoform	ug/L	ND	5.0	11/07/16 12:23	
Bromomethane	ug/L	ND	5.0	11/07/16 12:23	
Carbon disulfide	ug/L	ND	10.0	11/07/16 12:23	
Carbon tetrachloride	ug/L	ND	5.0	11/07/16 12:23	
Chlorobenzene	ug/L	ND	5.0	11/07/16 12:23	
Chloroethane	ug/L	ND	5.0	11/07/16 12:23	
Chloroform	ug/L	ND	5.0	11/07/16 12:23	
Chloromethane	ug/L	ND	5.0	11/07/16 12:23	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/07/16 12:23	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/07/16 12:23	
Cyclohexane	ug/L	ND	100	11/07/16 12:23	N2
Dibromochloromethane	ug/L	ND	5.0	11/07/16 12:23	
Dichlorodifluoromethane	ug/L	ND	5.0	11/07/16 12:23	
Ethylbenzene	ug/L	ND	5.0	11/07/16 12:23	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/07/16 12:23	
Methyl acetate	ug/L	ND	50.0	11/07/16 12:23	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/07/16 12:23	
Methylcyclohexane	ug/L	ND	50.0	11/07/16 12:23	N2
Methylene Chloride	ug/L	2.5J	5.0	11/07/16 12:23	
Styrene	ug/L	ND	5.0	11/07/16 12:23	
Tetrachloroethene	ug/L	ND	5.0	11/07/16 12:23	

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QUALITY CONTROL DATA

Project: Kokomo Racer

Pace Project No.: 50158272

METHOD BLANK: 1664716

Matrix: Water

Associated Lab Samples: 50158272012, 50158272013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/07/16 12:23	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/07/16 12:23	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/07/16 12:23	
Trichloroethene	ug/L	ND	5.0	11/07/16 12:23	
Trichlorofluoromethane	ug/L	ND	5.0	11/07/16 12:23	
Vinyl chloride	ug/L	ND	2.0	11/07/16 12:23	
Xylene (Total)	ug/L	ND	10.0	11/07/16 12:23	
4-Bromofluorobenzene (S)	%	94	79-116	11/07/16 12:23	
Dibromofluoromethane (S)	%	98	84-118	11/07/16 12:23	
Toluene-d8 (S)	%	100	86-110	11/07/16 12:23	

LABORATORY CONTROL SAMPLE: 1664717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.9	102	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	52.0	104	72-124	
1,1,2-Trichloroethane	ug/L	50	52.7	105	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	51.7	103	80-111	
1,1-Dichloroethane	ug/L	50	50.3	101	70-120	
1,1-Dichloroethene	ug/L	50	50.1	100	69-127	
1,2,4-Trichlorobenzene	ug/L	50	67.3	135	66-126	L0
1,2-Dibromo-3-chloropropane	ug/L	50	59.5	119	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	56.6	113	76-125	
1,2-Dichlorobenzene	ug/L	50	56.3	113	77-122	
1,2-Dichloroethane	ug/L	50	51.2	102	70-123	
1,2-Dichloropropane	ug/L	50	47.7	95	77-124	
1,3-Dichlorobenzene	ug/L	50	58.7	117	76-124	
1,4-Dichlorobenzene	ug/L	50	55.0	110	75-117	
2-Butanone (MEK)	ug/L	250	280	112	60-135	
2-Hexanone	ug/L	250	271	109	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	260	104	66-134	
Acetone	ug/L	250	299	120	47-144	
Benzene	ug/L	50	50.4	101	76-122	
Bromodichloromethane	ug/L	50	53.3	107	71-124	
Bromoform	ug/L	50	59.6	119	60-125	
Bromomethane	ug/L	50	39.2	78	23-194	
Carbon disulfide	ug/L	50	49.7	99	63-130	
Carbon tetrachloride	ug/L	50	55.5	111	73-133	
Chlorobenzene	ug/L	50	53.1	106	76-118	
Chloroethane	ug/L	50	56.5	113	50-147	
Chloroform	ug/L	50	48.9	98	70-119	
Chloromethane	ug/L	50	44.1	88	52-136	
cis-1,2-Dichloroethene	ug/L	50	49.2	98	74-120	
cis-1,3-Dichloropropene	ug/L	50	53.9	108	71-134	

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QUALITY CONTROL DATA

Project: Kokomo Racer

Pace Project No.: 50158272

LABORATORY CONTROL SAMPLE: 1664717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	50.4J	101	86-122	N2
Dibromochloromethane	ug/L	50	60.5	121	73-127	
Dichlorodifluoromethane	ug/L	50	50.0	100	39-166	
Ethylbenzene	ug/L	50	54.8	110	75-123	
Isopropylbenzene (Cumene)	ug/L	50	54.9	110	84-134	
Methyl acetate	ug/L	50	81.6	163	68-192	N2
Methyl-tert-butyl ether	ug/L	50	51.1	102	65-131	
Methylcyclohexane	ug/L	50	52.6	105	89-122	N2
Methylene Chloride	ug/L	50	49.7	99	66-130	
Styrene	ug/L	50	53.5	107	78-128	
Tetrachloroethene	ug/L	50	56.7	113	69-119	
Toluene	ug/L	50	54.1	108	74-122	
trans-1,2-Dichloroethene	ug/L	50	55.0	110	72-122	
trans-1,3-Dichloropropene	ug/L	50	54.8	110	66-135	
Trichloroethene	ug/L	50	47.9	96	75-123	
Trichlorofluoromethane	ug/L	50	62.2	124	58-148	
Vinyl chloride	ug/L	50	50.1	100	61-147	
Xylene (Total)	ug/L	150	166	111	75-127	
4-Bromofluorobenzene (S)	%			94	79-116	
Dibromofluoromethane (S)	%			97	84-118	
Toluene-d8 (S)	%			100	86-110	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Kokomo Racer
Pace Project No.: 50158272

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D4	Sample was diluted due to the presence of high levels of target analytes.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.
p2	Post-analysis pH measurement indicates pH > 2.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Kokomo Racer

Pace Project No.: 50158272

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50158272001	TB-01(110416)	EPA 8260	359733		
50158272002	SB-1606(41-44)	EPA 8260	359733		
50158272003	SB-1606(38-41)	EPA 8260	359733		
50158272004	SB-1606(35-38)	EPA 8260	359735		
50158272005	SB-1606(32-35)	EPA 8260	359735		
50158272006	SB-1606(29-32)	EPA 8260	359735		
50158272007	SB-1606(26-29)	EPA 8260	359735		
50158272008	SB-1606(23-26)	EPA 8260	359735		
50158272009	SB-1606(20-23)	EPA 8260	359735		
50158272010	SB-1607(37-40)	EPA 8260	359735		
50158272011	SB-1607(34-37)	EPA 8260	359735		
50158272012	SB-1607(31-34)	EPA 8260	360209		
50158272013	SB-1607(28-31)	EPA 8260	360209		
50158272014	SB-1607(25-28)	EPA 8260	359735		
50158272015	SB-1607(22-25)	EPA 8260	359735		
50158272016	SB-1607(19-22)	EPA 8260	359735		
50158272017	Piezo-SB-1605(110416)	EPA 8260	360027		
50158272018	Piezo-SB-1606(110416)	EPA 8260	360027		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcahis

Project # 50158272

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other foam

Thermometer 1 2 3 4 5 6 A B C D E F

Type of Ice: Wet Blue None ☒ Samples on ice, cooling process has begun

Cooler Temperature 18°/18°
(Initial/Corrected)

Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: MB 11/4/16

Are samples from West Virginia?

☐ Yes ☒ No

Document any containers out of temp.

Chain of Custody Present:

☒ Yes ☐ No ☐ N/A

Chain of Custody Filled Out:

☒ Yes ☐ No ☐ N/A

Chain of Custody Relinquished:

☒ Yes ☐ No ☐ N/A

Sampler Name & Signature on COC:

☒ Yes ☐ No ☐ N/A

Short Hold Time Analysis (<72hr):

☐ Yes ☐ No ☒ N/A

Rush Turn Around Time Requested:

☒ Yes ☐ No ☒ N/A

Containers Intact:

☒ Yes ☐ No ☐ N/A

Sample Labels match COC:

☐ Yes ☒ No ☐ N/A

-Includes date/time/ID/Analysis

All containers needing acid/base pres. have been checked?

☐ Yes ☐ No ☒ N/A

exceptions: VOA, coliform, TOC, O&G

All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.

Residual Chlorine Check (SVOC 625 Pest/PCB 608)

NA

11. Present Absent

Residual Chlorine Check (Total/Amenable/Free Cyanide)

NA

12. Present Absent

Headspace in VOA Vials (>6mm):

☒ Yes ☐ No ☐ N/A

13. vial 1606 (35-38) + 2 vials 1605 (110416)

Headspace Wisconsin Sulfide

☐ Yes ☐ No ☒ N/A

14.

Trip Blank Present:

☒ Yes ☐ No ☐ N/A

15.

Trip Blank Custody Seals Present

☒ Yes ☐ No ☐ N/A

Project Manager Review

Samples Arrived within Hold Time:

☒ Yes ☐ No ☐ N/A

15.

Sufficient Volume:

☐ Yes ☐ No ☐ N/A

16.

Correct Containers Used:

☒ Yes ☐ No ☐ N/A

17.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: * some vials have sediment MB 11/4/16

Project Manager Review: _____

Date: 11/4/16

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 2
COC ID# 2159054

Matrix SIMW/Ot
(Soil/Water/Other)

Project # 50158222

Sample Line
Item

Item	AG1U	WG9U	AG0U	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	Matrix SIMW/Ot (Soil/Water/Other)	pH <2	pH >9	pH >12
1																		WT			
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG9U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

November 08, 2016

Jesse Wright
Arcadis U.S., Inc.
132 E. Washington Street
Suite 600
Indianapolis, IN 46204

RE: Project: Kokomo-Racer
Pace Project No.: 50158368

Dear Jesse Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on November 07, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kelly Jones
kelly.jones@pacelabs.com
Project Manager

Enclosures

cc: Ms. Sarah Fisher, Arcadis
Mr. Matt Griles, Arcadis U.S., Inc.
Mr. Luke Martin, Arcadis
Ms. Lauren Werckenthien, Arcadis



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Kokomo-Racer

Pace Project No.: 50158368

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 003971

Indiana Certification #: C-49-06

Kansas/NELAP Certification #: E-10177

Kentucky UST Certification #: 80226

Kentucky WW Certification #: 98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2016-075

Texas Certification #: T104704355-16-10

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-16-00257

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SAMPLE SUMMARY

Project: Kokomo-Racer

Pace Project No.: 50158368

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50158368001	TB-01 (110716)	Water	11/07/16 10:30	11/07/16 16:03
50158368002	SB-1608 (30-33)	Water	11/07/16 13:50	11/07/16 16:03
50158368003	SB-1608 (27-30)	Water	11/07/16 14:05	11/07/16 16:03
50158368004	SB-1608 (24-27)	Water	11/07/16 14:20	11/07/16 16:03
50158368005	SB-1608 (21-24)	Water	11/07/16 14:45	11/07/16 16:03

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SAMPLE ANALYTE COUNT

Project: Kokomo-Racer

Pace Project No.: 50158368

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50158368001	TB-01 (110716)	EPA 8260	GRM	51
50158368002	SB-1608 (30-33)	EPA 8260	GRM	51
50158368003	SB-1608 (27-30)	EPA 8260	GRM	51
50158368004	SB-1608 (24-27)	EPA 8260	CAP, GRM	51
50158368005	SB-1608 (21-24)	EPA 8260	CAP, GRM	51

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SUMMARY OF DETECTION

Project: Kokomo-Racer

Pace Project No.: 50158368

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158368001	TB-01 (110716)					
EPA 8260	Methylene Chloride	4.1J	ug/L	5.0	11/07/16 20:23	
50158368002	SB-1608 (30-33)					
EPA 8260	cis-1,2-Dichloroethene	6.1	ug/L	5.0	11/07/16 20:56	
EPA 8260	Methylene Chloride	4.9J	ug/L	5.0	11/07/16 20:56	
EPA 8260	Trichloroethene	58.1	ug/L	5.0	11/07/16 20:56	
50158368003	SB-1608 (27-30)					
EPA 8260	cis-1,2-Dichloroethene	16.2	ug/L	5.0	11/07/16 21:29	
EPA 8260	Methylene Chloride	4.7J	ug/L	5.0	11/07/16 21:29	
EPA 8260	Trichloroethene	37.8	ug/L	5.0	11/07/16 21:29	
50158368004	SB-1608 (24-27)					
EPA 8260	cis-1,2-Dichloroethene	84.1	ug/L	5.0	11/07/16 22:03	
EPA 8260	trans-1,2-Dichloroethene	16.6	ug/L	5.0	11/07/16 22:03	
EPA 8260	Methylene Chloride	4.8J	ug/L	5.0	11/07/16 22:03	
EPA 8260	Trichloroethene	346	ug/L	25.0	11/08/16 13:31	
EPA 8260	Vinyl chloride	9.6	ug/L	2.0	11/07/16 22:03	
50158368005	SB-1608 (21-24)					
EPA 8260	cis-1,2-Dichloroethene	231	ug/L	50.0	11/08/16 13:49	
EPA 8260	trans-1,2-Dichloroethene	31.8	ug/L	5.0	11/07/16 22:36	
EPA 8260	Methylene Chloride	4.3J	ug/L	5.0	11/07/16 22:36	
EPA 8260	Trichloroethene	654	ug/L	50.0	11/08/16 13:49	
EPA 8260	Vinyl chloride	57.9	ug/L	2.0	11/07/16 22:36	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158368

Sample: TB-01 (110716)		Lab ID: 50158368001	Collected: 11/07/16 10:30	Received: 11/07/16 16:03	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/07/16 20:23	67-64-1	
Benzene	ND	ug/L	5.0	1		11/07/16 20:23	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/07/16 20:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/07/16 20:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/07/16 20:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/07/16 20:23	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/07/16 20:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/07/16 20:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/07/16 20:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/07/16 20:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/07/16 20:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/07/16 20:23	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/07/16 20:23	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/07/16 20:23	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/07/16 20:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/07/16 20:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 20:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 20:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 20:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/07/16 20:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/07/16 20:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/07/16 20:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/07/16 20:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/07/16 20:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/07/16 20:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/07/16 20:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/07/16 20:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/07/16 20:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/07/16 20:23	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/07/16 20:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/07/16 20:23	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/07/16 20:23	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/07/16 20:23	108-87-2	N2
Methylene Chloride	4.13	ug/L	5.0	1		11/07/16 20:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/07/16 20:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/07/16 20:23	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/07/16 20:23	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/07/16 20:23	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/07/16 20:23	127-18-4	
Toluene	ND	ug/L	5.0	1		11/07/16 20:23	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/07/16 20:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/07/16 20:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/07/16 20:23	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/07/16 20:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/07/16 20:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/07/16 20:23	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/07/16 20:23	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158368

Sample: TB-01 (110716)		Lab ID: 50158368001		Collected: 11/07/16 10:30		Received: 11/07/16 16:03		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/07/16 20:23	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		96	%.	84-118	1		11/07/16 20:23	1868-53-7	
4-Bromofluorobenzene (S)		103	%.	79-116	1		11/07/16 20:23	460-00-4	
Toluene-d8 (S)		98	%.	86-110	1		11/07/16 20:23	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158368

Sample: SB-1608 (30-33)		Lab ID: 50158368002	Collected: 11/07/16 13:50	Received: 11/07/16 16:03	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/07/16 20:56	67-64-1	
Benzene	ND	ug/L	5.0	1		11/07/16 20:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/07/16 20:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/07/16 20:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/07/16 20:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/07/16 20:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/07/16 20:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/07/16 20:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/07/16 20:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/07/16 20:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/07/16 20:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/07/16 20:56	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/07/16 20:56	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/07/16 20:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/07/16 20:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/07/16 20:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 20:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 20:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 20:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/07/16 20:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/07/16 20:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/07/16 20:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/07/16 20:56	75-35-4	
cis-1,2-Dichloroethene	6.1	ug/L	5.0	1		11/07/16 20:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/07/16 20:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/07/16 20:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/07/16 20:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/07/16 20:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/07/16 20:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/07/16 20:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/07/16 20:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/07/16 20:56	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/07/16 20:56	108-87-2	N2
Methylene Chloride	4.9J	ug/L	5.0	1		11/07/16 20:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/07/16 20:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/07/16 20:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/07/16 20:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/07/16 20:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/07/16 20:56	127-18-4	
Toluene	ND	ug/L	5.0	1		11/07/16 20:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/07/16 20:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/07/16 20:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/07/16 20:56	79-00-5	
Trichloroethene	58.1	ug/L	5.0	1		11/07/16 20:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/07/16 20:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/07/16 20:56	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/07/16 20:56	75-01-4	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158368

Sample: SB-1608 (30-33)		Lab ID: 50158368002		Collected: 11/07/16 13:50		Received: 11/07/16 16:03		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/07/16 20:56	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		100	%.	84-118	1		11/07/16 20:56	1868-53-7	
4-Bromofluorobenzene (S)		103	%.	79-116	1		11/07/16 20:56	460-00-4	
Toluene-d8 (S)		97	%.	86-110	1		11/07/16 20:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158368

Sample: SB-1608 (27-30)		Lab ID: 50158368003	Collected: 11/07/16 14:05	Received: 11/07/16 16:03	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/07/16 21:29	67-64-1	
Benzene	ND	ug/L	5.0	1		11/07/16 21:29	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/07/16 21:29	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/07/16 21:29	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/07/16 21:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/07/16 21:29	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/07/16 21:29	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/07/16 21:29	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/07/16 21:29	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/07/16 21:29	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/07/16 21:29	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/07/16 21:29	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/07/16 21:29	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/07/16 21:29	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/07/16 21:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/07/16 21:29	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 21:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 21:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 21:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/07/16 21:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/07/16 21:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/07/16 21:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/07/16 21:29	75-35-4	
cis-1,2-Dichloroethene	16.2	ug/L	5.0	1		11/07/16 21:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/07/16 21:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/07/16 21:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/07/16 21:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/07/16 21:29	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/07/16 21:29	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/07/16 21:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/07/16 21:29	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/07/16 21:29	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/07/16 21:29	108-87-2	N2
Methylene Chloride	4.7J	ug/L	5.0	1		11/07/16 21:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/07/16 21:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/07/16 21:29	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/07/16 21:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/07/16 21:29	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/07/16 21:29	127-18-4	
Toluene	ND	ug/L	5.0	1		11/07/16 21:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/07/16 21:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/07/16 21:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/07/16 21:29	79-00-5	
Trichloroethene	37.8	ug/L	5.0	1		11/07/16 21:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/07/16 21:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/07/16 21:29	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/07/16 21:29	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158368

Sample: SB-1608 (27-30)		Lab ID: 50158368003		Collected: 11/07/16 14:05		Received: 11/07/16 16:03		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/07/16 21:29	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		103	%.	84-118	1		11/07/16 21:29	1868-53-7	
4-Bromofluorobenzene (S)		106	%.	79-116	1		11/07/16 21:29	460-00-4	
Toluene-d8 (S)		97	%.	86-110	1		11/07/16 21:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158368

Sample: SB-1608 (24-27)		Lab ID: 50158368004	Collected: 11/07/16 14:20	Received: 11/07/16 16:03	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/07/16 22:03	67-64-1	
Benzene	ND	ug/L	5.0	1		11/07/16 22:03	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/07/16 22:03	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/07/16 22:03	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/07/16 22:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/07/16 22:03	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/07/16 22:03	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/07/16 22:03	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/07/16 22:03	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/07/16 22:03	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/07/16 22:03	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/07/16 22:03	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/07/16 22:03	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/07/16 22:03	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/07/16 22:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/07/16 22:03	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 22:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 22:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 22:03	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/07/16 22:03	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/07/16 22:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/07/16 22:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/07/16 22:03	75-35-4	
cis-1,2-Dichloroethene	84.1	ug/L	5.0	1		11/07/16 22:03	156-59-2	
trans-1,2-Dichloroethene	16.6	ug/L	5.0	1		11/07/16 22:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/07/16 22:03	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/07/16 22:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/07/16 22:03	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/07/16 22:03	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/07/16 22:03	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/07/16 22:03	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/07/16 22:03	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/07/16 22:03	108-87-2	N2
Methylene Chloride	4.8J	ug/L	5.0	1		11/07/16 22:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/07/16 22:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/07/16 22:03	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/07/16 22:03	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/07/16 22:03	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/07/16 22:03	127-18-4	
Toluene	ND	ug/L	5.0	1		11/07/16 22:03	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/07/16 22:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/07/16 22:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/07/16 22:03	79-00-5	
Trichloroethene	346	ug/L	25.0	5		11/08/16 13:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/07/16 22:03	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/07/16 22:03	76-13-1	
Vinyl chloride	9.6	ug/L	2.0	1		11/07/16 22:03	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158368

Sample: SB-1608 (24-27)		Lab ID: 50158368004		Collected: 11/07/16 14:20		Received: 11/07/16 16:03		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/07/16 22:03	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		99	%.	84-118	1		11/07/16 22:03	1868-53-7	
4-Bromofluorobenzene (S)		102	%.	79-116	1		11/07/16 22:03	460-00-4	
Toluene-d8 (S)		96	%.	86-110	1		11/07/16 22:03	2037-26-5	

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158368

Sample: SB-1608 (21-24)		Lab ID: 50158368005	Collected: 11/07/16 14:45	Received: 11/07/16 16:03	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/07/16 22:36	67-64-1	
Benzene	ND	ug/L	5.0	1		11/07/16 22:36	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/07/16 22:36	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/07/16 22:36	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/07/16 22:36	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/07/16 22:36	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/07/16 22:36	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/07/16 22:36	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/07/16 22:36	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/07/16 22:36	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/07/16 22:36	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/07/16 22:36	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/07/16 22:36	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/07/16 22:36	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/07/16 22:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/07/16 22:36	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 22:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 22:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/07/16 22:36	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/07/16 22:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/07/16 22:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/07/16 22:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/07/16 22:36	75-35-4	
cis-1,2-Dichloroethene	231	ug/L	50.0	10		11/08/16 13:49	156-59-2	
trans-1,2-Dichloroethene	31.8	ug/L	5.0	1		11/07/16 22:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/07/16 22:36	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/07/16 22:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/07/16 22:36	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/07/16 22:36	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/07/16 22:36	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/07/16 22:36	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/07/16 22:36	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/07/16 22:36	108-87-2	N2
Methylene Chloride	4.3J	ug/L	5.0	1		11/07/16 22:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/07/16 22:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/07/16 22:36	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/07/16 22:36	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/07/16 22:36	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/07/16 22:36	127-18-4	
Toluene	ND	ug/L	5.0	1		11/07/16 22:36	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/07/16 22:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/07/16 22:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/07/16 22:36	79-00-5	
Trichloroethene	654	ug/L	50.0	10		11/08/16 13:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/07/16 22:36	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/07/16 22:36	76-13-1	
Vinyl chloride	57.9	ug/L	2.0	1		11/07/16 22:36	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Kokomo-Racer

Pace Project No.: 50158368

Sample: SB-1608 (21-24)		Lab ID: 50158368005		Collected: 11/07/16 14:45		Received: 11/07/16 16:03		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/07/16 22:36	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	1		11/07/16 22:36	1868-53-7	
4-Bromofluorobenzene (S)		102	%.	79-116	1		11/07/16 22:36	460-00-4	
Toluene-d8 (S)		97	%.	86-110	1		11/07/16 22:36	2037-26-5	

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QUALITY CONTROL DATA

Project: Kokomo-Racer

Pace Project No.: 50158368

QC Batch: 360288

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50158368001, 50158368002, 50158368003, 50158368004, 50158368005

METHOD BLANK: 1664981

Matrix: Water

Associated Lab Samples: 50158368001, 50158368002, 50158368003, 50158368004, 50158368005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/07/16 13:10	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/07/16 13:10	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/07/16 13:10	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/07/16 13:10	
1,1-Dichloroethane	ug/L	ND	5.0	11/07/16 13:10	
1,1-Dichloroethene	ug/L	ND	5.0	11/07/16 13:10	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/07/16 13:10	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/07/16 13:10	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/07/16 13:10	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/07/16 13:10	
1,2-Dichloroethane	ug/L	ND	5.0	11/07/16 13:10	
1,2-Dichloropropane	ug/L	ND	5.0	11/07/16 13:10	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/07/16 13:10	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/07/16 13:10	
2-Butanone (MEK)	ug/L	ND	25.0	11/07/16 13:10	
2-Hexanone	ug/L	ND	25.0	11/07/16 13:10	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/07/16 13:10	
Acetone	ug/L	ND	100	11/07/16 13:10	
Benzene	ug/L	ND	5.0	11/07/16 13:10	
Bromodichloromethane	ug/L	ND	5.0	11/07/16 13:10	
Bromoform	ug/L	ND	5.0	11/07/16 13:10	
Bromomethane	ug/L	ND	5.0	11/07/16 13:10	
Carbon disulfide	ug/L	ND	10.0	11/07/16 13:10	
Carbon tetrachloride	ug/L	ND	5.0	11/07/16 13:10	
Chlorobenzene	ug/L	ND	5.0	11/07/16 13:10	
Chloroethane	ug/L	ND	5.0	11/07/16 13:10	
Chloroform	ug/L	ND	5.0	11/07/16 13:10	
Chloromethane	ug/L	ND	5.0	11/07/16 13:10	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/07/16 13:10	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/07/16 13:10	
Cyclohexane	ug/L	ND	100	11/07/16 13:10	N2
Dibromochloromethane	ug/L	ND	5.0	11/07/16 13:10	
Dichlorodifluoromethane	ug/L	ND	5.0	11/07/16 13:10	
Ethylbenzene	ug/L	ND	5.0	11/07/16 13:10	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/07/16 13:10	
Methyl acetate	ug/L	ND	50.0	11/07/16 13:10	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/07/16 13:10	
Methylcyclohexane	ug/L	ND	50.0	11/07/16 13:10	N2
Methylene Chloride	ug/L	11.8	5.0	11/07/16 13:10	
Styrene	ug/L	ND	5.0	11/07/16 13:10	
Tetrachloroethene	ug/L	ND	5.0	11/07/16 13:10	

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QUALITY CONTROL DATA

Project: Kokomo-Racer

Pace Project No.: 50158368

METHOD BLANK: 1664981

Matrix: Water

Associated Lab Samples: 50158368001, 50158368002, 50158368003, 50158368004, 50158368005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/07/16 13:10	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/07/16 13:10	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/07/16 13:10	
Trichloroethene	ug/L	ND	5.0	11/07/16 13:10	
Trichlorofluoromethane	ug/L	ND	5.0	11/07/16 13:10	
Vinyl chloride	ug/L	ND	2.0	11/07/16 13:10	
Xylene (Total)	ug/L	ND	10.0	11/07/16 13:10	
4-Bromofluorobenzene (S)	%	101	79-116	11/07/16 13:10	
Dibromofluoromethane (S)	%	101	84-118	11/07/16 13:10	
Toluene-d8 (S)	%	97	86-110	11/07/16 13:10	

LABORATORY CONTROL SAMPLE: 1664982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.9	100	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	49.2	98	72-124	
1,1-Dichloroethene	ug/L	50	53.5	107	69-127	
1,2-Dichloropropane	ug/L	50	53.5	107	77-124	
Benzene	ug/L	50	51.6	103	76-122	
Chlorobenzene	ug/L	50	49.3	99	76-118	
Chloroform	ug/L	50	47.3	95	70-119	
cis-1,2-Dichloroethene	ug/L	50	52.0	104	74-120	
Ethylbenzene	ug/L	50	52.3	105	75-123	
Isopropylbenzene (Cumene)	ug/L	50	52.4	105	84-134	
Methyl-tert-butyl ether	ug/L	50	51.2	102	65-131	
Tetrachloroethene	ug/L	50	49.6	99	69-119	
Toluene	ug/L	50	49.4	99	74-122	
trans-1,2-Dichloroethene	ug/L	50	51.3	103	72-122	
Trichloroethene	ug/L	50	51.3	103	75-123	
Vinyl chloride	ug/L	50	48.5	97	61-147	
Xylene (Total)	ug/L	150	156	104	75-127	
4-Bromofluorobenzene (S)	%			101	79-116	
Dibromofluoromethane (S)	%			98	84-118	
Toluene-d8 (S)	%			99	86-110	

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QUALIFIERS

Project: Kokomo-Racer

Pace Project No.: 50158368

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Kokomo-Racer

Pace Project No.: 50158368

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50158368001	TB-01 (110716)	EPA 8260	360288		
50158368002	SB-1608 (30-33)	EPA 8260	360288		
50158368003	SB-1608 (27-30)	EPA 8260	360288		
50158368004	SB-1608 (24-27)	EPA 8260	360288		
50158368005	SB-1608 (21-24)	EPA 8260	360288		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain of Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

[illegible]

Section D Required Client Information					
MATRIX CODE	DW	WT	P	SL	OL
Matrix Codes	Drinking Water	Water	Waste Water	Product	Soil/Solid
SAMPLE ID	(A-Z, 0-9 / -)	Oil	Wipe	AR	TS
Sample IDs MUST BE UNIQUE	Other	Tissue	OT		
ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	DATE
1	UTB	---	11/7/16	1330	---
2	---	---	---	---	---
3	---	---	---	---	---
4	---	---	---	---	---
5	---	---	---	---	---
6	---	---	---	---	---
7	---	---	---	---	---
8	---	---	---	---	---
9	---	---	---	---	---
10	---	---	---	---	---
11	---	---	---	---	---
12	---	---	---	---	---
ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE
24 HK/McXtlyg JATK	Alonso	11/7/16	1500	Alonso	11/7/16
11/7/16 1603	11/7/16 1603	11/7/16 1603	1500	11/7/16 1500	11/7/16 1500
SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER: Luke Watson					
SIGNATURE OF SAMPLER:					
DATE Signed (MM/DD/YY): 11/7/16					
Temp in °C					
Received on Ice (Y/N)					
Custody Sealed Cooler (Y/N)					
Samples Intact (Y/N)					

ORIGINAL

***Important Note:** By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

Client Name: ACADIS

Project # 50158368

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

Thermometer 1 2 3 4 5 6 A B C D E F

Type of Ice: Wet Blue None ☒ Samples on ice, cooling process has begun

Cooler Temperature 11.4 / 11.4
(Initial/Corrected)

Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: mm/1/16

Are samples from West Virginia?	☐ Yes ☒ No	1.
Document any containers out of temp.		
Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	3.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	4.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☒ Yes ☐ No ☐ N/A	7. <u>24 hr</u>
Containers Intact:	☒ Yes ☐ No ☐ N/A	8.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	9.
-Includes date/time/ID/Analysis		
All containers needing acid/base pres. have been checked?	☐ Yes ☒ No ☐ N/A	10. (Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
exceptions: VOA, coliform, TOC, O&G		
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12. Present Absent
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	13.
Headspace Wisconsin Sulfide	☐ Yes ☐ No	14.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	15.
Trip Blank Custody Seals Present	☒ Yes ☒ No ☐ N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	15.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	16.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	17.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

Project Manager Review: K-C Jones

Date: 11-7-16

CLIENT: *Alcatraz*

Project # 50158368

Sample Line
Item

AG1U WGFU AG0U R 4 / 6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H BP3C BP1U SP5T AG2U

pH < 2 pH > 9 pH > 12

[illegible]

Contaminant Codes							
DG9H	40mL HCL amber vov vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGfU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGfU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGfX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

November 09, 2016

Jesse Wright
Arcadis U.S., Inc.
132 E. Washington Street
Suite 600
Indianapolis, IN 46204

RE: Project: Racer-Kokomo
Pace Project No.: 50158417

Dear Jesse Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on November 08, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revised Report 11/9/16: added qualifier to samples -004 & -006

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kelly Jones
kelly.jones@pacelabs.com
Project Manager

Enclosures

cc: Ms. Sarah Fisher, Arcadis
Mr. Matt Griles, Arcadis U.S., Inc.
Mr. Luke Martin, Arcadis
Ms. Lauren Werckenthien, Arcadis



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Racer-Kokomo

Pace Project No.: 50158417

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 003971

Indiana Certification #: C-49-06

Kansas/NELAP Certification #: E-10177

Kentucky UST Certification #: 80226

Kentucky WW Certification #: 98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2016-075

Texas Certification #: T104704355-16-10

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-16-00257

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SAMPLE SUMMARY

Project: Racer-Kokomo

Pace Project No.: 50158417

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50158417001	TB-02 (110716)	Water	11/07/16 14:00	11/08/16 11:55
50158417002	SB-1609 (30-33)	Water	11/07/16 15:50	11/08/16 11:55
50158417003	SB-1609 (27-30)	Water	11/07/16 16:05	11/08/16 11:55
50158417004	SB-1609 (24-27)	Water	11/07/16 16:20	11/08/16 11:55
50158417005	SB-1609 (21-24)	Water	11/07/16 16:30	11/08/16 11:55
50158417006	DUP-03 (110716)	Water	11/07/16 08:00	11/08/16 11:55
50158417007	Piezo-SB-1603 (17.5-22.5)	Water	11/07/16 17:45	11/08/16 11:55
50158417008	Piezo-SB-1604 (17-22)	Water	11/07/16 17:55	11/08/16 11:55
50158417009	Piezo-SB-1601 (13.5-18.5)	Water	11/08/16 08:05	11/08/16 11:55
50158417010	Piezo-SB-1608 (14.5-19.5)	Water	11/08/16 08:30	11/08/16 11:55
50158417011	Piezo-SB-1609 (15-20)	Water	11/08/16 08:45	11/08/16 11:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Racer-Kokomo

Pace Project No.: 50158417

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50158417001	TB-02 (110716)	EPA 8260	RSW	51
50158417002	SB-1609 (30-33)	EPA 8260	RSW	51
50158417003	SB-1609 (27-30)	EPA 8260	RSW	51
50158417004	SB-1609 (24-27)	EPA 8260	RSW	51
50158417005	SB-1609 (21-24)	EPA 8260	RSW	51
50158417006	DUP-03 (110716)	EPA 8260	RSW	51
50158417007	Piezo-SB-1603 (17.5-22.5)	EPA 8260	RSW	51
50158417008	Piezo-SB-1604 (17-22)	EPA 8260	RSW	51
50158417009	Piezo-SB-1601 (13.5-18.5)	EPA 8260	RSW	51
50158417010	Piezo-SB-1608 (14.5-19.5)	EPA 8260	RSW	51
50158417011	Piezo-SB-1609 (15-20)	EPA 8260	RSW	51

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Racer-Kokomo

Pace Project No.: 50158417

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
50158417001	TB-02 (110716)					
EPA 8260	Acetone	2.6J	ug/L	100	11/08/16 17:17	B
EPA 8260	Cyclohexane	3.0J	ug/L	100	11/08/16 17:17	N2
50158417002	SB-1609 (30-33)					
EPA 8260	cis-1,2-Dichloroethene	4.1J	ug/L	5.0	11/08/16 17:44	
EPA 8260	Toluene	0.24J	ug/L	5.0	11/08/16 17:44	
EPA 8260	Trichloroethene	1.8J	ug/L	5.0	11/08/16 17:44	
50158417003	SB-1609 (27-30)					
EPA 8260	cis-1,2-Dichloroethene	4.1J	ug/L	5.0	11/08/16 18:11	
EPA 8260	Toluene	0.21J	ug/L	5.0	11/08/16 18:11	
50158417004	SB-1609 (24-27)					
EPA 8260	cis-1,2-Dichloroethene	15.5	ug/L	5.0	11/08/16 18:39	
EPA 8260	trans-1,2-Dichloroethene	1.5J	ug/L	5.0	11/08/16 18:39	
EPA 8260	Toluene	0.13J	ug/L	5.0	11/08/16 18:39	
EPA 8260	Trichloroethene	9.8	ug/L	5.0	11/08/16 18:39	
EPA 8260	Vinyl chloride	0.54J	ug/L	2.0	11/08/16 18:39	
50158417005	SB-1609 (21-24)					
EPA 8260	cis-1,2-Dichloroethene	24.2	ug/L	5.0	11/08/16 19:06	
EPA 8260	trans-1,2-Dichloroethene	8.4	ug/L	5.0	11/08/16 19:06	
EPA 8260	Toluene	0.23J	ug/L	5.0	11/08/16 19:06	
EPA 8260	Trichloroethene	43.5	ug/L	5.0	11/08/16 19:06	
EPA 8260	Vinyl chloride	1.9J	ug/L	2.0	11/08/16 19:06	
50158417006	DUP-03 (110716)					
EPA 8260	cis-1,2-Dichloroethene	26.0	ug/L	5.0	11/08/16 19:34	
EPA 8260	trans-1,2-Dichloroethene	5.5	ug/L	5.0	11/08/16 19:34	
EPA 8260	Toluene	0.098J	ug/L	5.0	11/08/16 19:34	
EPA 8260	Trichloroethene	35.0	ug/L	5.0	11/08/16 19:34	
EPA 8260	Vinyl chloride	1.6J	ug/L	2.0	11/08/16 19:34	
50158417007	Piezo-SB-1603 (17.5-22.5)					
EPA 8260	Acetone	8.1J	ug/L	100	11/08/16 20:02	B
EPA 8260	cis-1,2-Dichloroethene	18.8	ug/L	5.0	11/08/16 20:02	
EPA 8260	trans-1,2-Dichloroethene	1.3J	ug/L	5.0	11/08/16 20:02	
EPA 8260	Toluene	0.22J	ug/L	5.0	11/08/16 20:02	
EPA 8260	Vinyl chloride	0.62J	ug/L	2.0	11/08/16 20:02	
50158417008	Piezo-SB-1604 (17-22)					
EPA 8260	Acetone	7.3J	ug/L	100	11/08/16 20:29	B
EPA 8260	Toluene	0.24J	ug/L	5.0	11/08/16 20:29	
50158417009	Piezo-SB-1601 (13.5-18.5)					
EPA 8260	Acetone	11.5J	ug/L	100	11/08/16 20:56	B
EPA 8260	Toluene	0.26J	ug/L	5.0	11/08/16 20:56	
50158417010	Piezo-SB-1608 (14.5-19.5)					
EPA 8260	Acetone	4.4J	ug/L	100	11/08/16 21:24	B
EPA 8260	Trichloroethene	0.46J	ug/L	5.0	11/08/16 21:24	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Racer-Kokomo

Pace Project No.: 50158417

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158417011	Piezo-SB-1609 (15-20)					
EPA 8260	Acetone	6.1J	ug/L	100	11/08/16 21:52	B

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: TB-02 (110716)		Lab ID: 50158417001	Collected: 11/07/16 14:00	Received: 11/08/16 11:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	2.6J	ug/L	100	1		11/08/16 17:17	67-64-1	B
Benzene	ND	ug/L	5.0	1		11/08/16 17:17	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/16 17:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/16 17:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/08/16 17:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/08/16 17:17	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/16 17:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/16 17:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/16 17:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/08/16 17:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/16 17:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/16 17:17	74-87-3	
Cyclohexane	3.0J	ug/L	100	1		11/08/16 17:17	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/08/16 17:17	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/16 17:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/16 17:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 17:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 17:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 17:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/08/16 17:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/16 17:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/16 17:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/16 17:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/16 17:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/16 17:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/16 17:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 17:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 17:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/16 17:17	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/08/16 17:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/08/16 17:17	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/08/16 17:17	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/08/16 17:17	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/08/16 17:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/08/16 17:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/08/16 17:17	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/08/16 17:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/16 17:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/16 17:17	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/16 17:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/08/16 17:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/16 17:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/16 17:17	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/16 17:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/08/16 17:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/08/16 17:17	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/08/16 17:17	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: TB-02 (110716)		Lab ID: 50158417001		Collected: 11/07/16 14:00		Received: 11/08/16 11:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/08/16 17:17	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		104	%.	84-118	1		11/08/16 17:17	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/08/16 17:17	460-00-4	
Toluene-d8 (S)		103	%.	86-110	1		11/08/16 17:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: SB-1609 (30-33)		Lab ID: 50158417002	Collected: 11/07/16 15:50	Received: 11/08/16 11:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/08/16 17:44	67-64-1	
Benzene	ND	ug/L	5.0	1		11/08/16 17:44	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/16 17:44	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/16 17:44	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/08/16 17:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/08/16 17:44	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/16 17:44	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/16 17:44	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/16 17:44	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/08/16 17:44	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/16 17:44	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/16 17:44	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/08/16 17:44	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/08/16 17:44	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/16 17:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/16 17:44	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 17:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 17:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 17:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/08/16 17:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/16 17:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/16 17:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/16 17:44	75-35-4	
cis-1,2-Dichloroethene	4.1J	ug/L	5.0	1		11/08/16 17:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/16 17:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/16 17:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 17:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 17:44	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/16 17:44	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/08/16 17:44	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/08/16 17:44	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/08/16 17:44	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/08/16 17:44	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/08/16 17:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/08/16 17:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/08/16 17:44	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/08/16 17:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/16 17:44	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/16 17:44	127-18-4	
Toluene	0.24J	ug/L	5.0	1		11/08/16 17:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/08/16 17:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/16 17:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/16 17:44	79-00-5	
Trichloroethene	1.8J	ug/L	5.0	1		11/08/16 17:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/08/16 17:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/08/16 17:44	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/08/16 17:44	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: SB-1609 (30-33)		Lab ID: 50158417002	Collected: 11/07/16 15:50	Received: 11/08/16 11:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		11/08/16 17:44	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	84-118	1		11/08/16 17:44	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	79-116	1		11/08/16 17:44	460-00-4	
Toluene-d8 (S)	100	%.	86-110	1		11/08/16 17:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: SB-1609 (27-30)		Lab ID: 50158417003		Collected: 11/07/16 16:05		Received: 11/08/16 11:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/08/16 18:11	67-64-1		
Benzene	ND	ug/L	5.0	1		11/08/16 18:11	71-43-2		
Bromodichloromethane	ND	ug/L	5.0	1		11/08/16 18:11	75-27-4		
Bromoform	ND	ug/L	5.0	1		11/08/16 18:11	75-25-2		
Bromomethane	ND	ug/L	5.0	1		11/08/16 18:11	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		11/08/16 18:11	78-93-3		
Carbon disulfide	ND	ug/L	10.0	1		11/08/16 18:11	75-15-0		
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/16 18:11	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		11/08/16 18:11	108-90-7		
Chloroethane	ND	ug/L	5.0	1		11/08/16 18:11	75-00-3		
Chloroform	ND	ug/L	5.0	1		11/08/16 18:11	67-66-3		
Chloromethane	ND	ug/L	5.0	1		11/08/16 18:11	74-87-3		
Cyclohexane	ND	ug/L	100	1		11/08/16 18:11	110-82-7	N2	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/08/16 18:11	96-12-8		
Dibromochloromethane	ND	ug/L	5.0	1		11/08/16 18:11	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/16 18:11	106-93-4		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 18:11	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 18:11	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 18:11	106-46-7		
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/08/16 18:11	75-71-8		
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/16 18:11	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/16 18:11	107-06-2		
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/16 18:11	75-35-4		
cis-1,2-Dichloroethene	4.1J	ug/L	5.0	1		11/08/16 18:11	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/16 18:11	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/16 18:11	78-87-5		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 18:11	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 18:11	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		11/08/16 18:11	100-41-4		
2-Hexanone	ND	ug/L	25.0	1		11/08/16 18:11	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/08/16 18:11	98-82-8		
Methyl acetate	ND	ug/L	50.0	1		11/08/16 18:11	79-20-9	N2	
Methylcyclohexane	ND	ug/L	50.0	1		11/08/16 18:11	108-87-2	N2	
Methylene Chloride	ND	ug/L	5.0	1		11/08/16 18:11	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/08/16 18:11	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/08/16 18:11	1634-04-4		
Styrene	ND	ug/L	5.0	1		11/08/16 18:11	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/16 18:11	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		11/08/16 18:11	127-18-4		
Toluene	0.21J	ug/L	5.0	1		11/08/16 18:11	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/08/16 18:11	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/16 18:11	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/16 18:11	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		11/08/16 18:11	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		11/08/16 18:11	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/08/16 18:11	76-13-1		
Vinyl chloride	ND	ug/L	2.0	1		11/08/16 18:11	75-01-4		

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: SB-1609 (27-30)		Lab ID: 50158417003		Collected: 11/07/16 16:05		Received: 11/08/16 11:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/08/16 18:11	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		100	%.	84-118	1		11/08/16 18:11	1868-53-7	
4-Bromofluorobenzene (S)		96	%.	79-116	1		11/08/16 18:11	460-00-4	
Toluene-d8 (S)		101	%.	86-110	1		11/08/16 18:11	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: SB-1609 (24-27)		Lab ID: 50158417004	Collected: 11/07/16 16:20	Received: 11/08/16 11:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/08/16 18:39	67-64-1	
Benzene	ND	ug/L	5.0	1		11/08/16 18:39	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/16 18:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/16 18:39	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/08/16 18:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/08/16 18:39	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/16 18:39	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/16 18:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/16 18:39	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/08/16 18:39	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/16 18:39	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/16 18:39	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/08/16 18:39	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/08/16 18:39	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/16 18:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/16 18:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 18:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 18:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 18:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/08/16 18:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/16 18:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/16 18:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/16 18:39	75-35-4	
cis-1,2-Dichloroethene	15.5	ug/L	5.0	1		11/08/16 18:39	156-59-2	
trans-1,2-Dichloroethene	1.5J	ug/L	5.0	1		11/08/16 18:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/16 18:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 18:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 18:39	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/16 18:39	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/08/16 18:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/08/16 18:39	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/08/16 18:39	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/08/16 18:39	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/08/16 18:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/08/16 18:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/08/16 18:39	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/08/16 18:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/16 18:39	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/16 18:39	127-18-4	
Toluene	0.13J	ug/L	5.0	1		11/08/16 18:39	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/08/16 18:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/16 18:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/16 18:39	79-00-5	
Trichloroethene	9.8	ug/L	5.0	1		11/08/16 18:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/08/16 18:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/08/16 18:39	76-13-1	
Vinyl chloride	0.54J	ug/L	2.0	1		11/08/16 18:39	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: SB-1609 (24-27)		Lab ID: 50158417004		Collected: 11/07/16 16:20		Received: 11/08/16 11:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/08/16 18:39	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		100	%.	84-118	1		11/08/16 18:39	1868-53-7	HS
4-Bromofluorobenzene (S)		94	%.	79-116	1		11/08/16 18:39	460-00-4	
Toluene-d8 (S)		103	%.	86-110	1		11/08/16 18:39	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: SB-1609 (21-24)		Lab ID: 50158417005	Collected: 11/07/16 16:30	Received: 11/08/16 11:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/08/16 19:06	67-64-1	
Benzene	ND	ug/L	5.0	1		11/08/16 19:06	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/16 19:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/16 19:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/08/16 19:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/08/16 19:06	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/16 19:06	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/16 19:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/16 19:06	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/08/16 19:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/16 19:06	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/16 19:06	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/08/16 19:06	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/08/16 19:06	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/16 19:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/16 19:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 19:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 19:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 19:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/08/16 19:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/16 19:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/16 19:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/16 19:06	75-35-4	
cis-1,2-Dichloroethene	24.2	ug/L	5.0	1		11/08/16 19:06	156-59-2	
trans-1,2-Dichloroethene	8.4	ug/L	5.0	1		11/08/16 19:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/16 19:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 19:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 19:06	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/16 19:06	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/08/16 19:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/08/16 19:06	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/08/16 19:06	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/08/16 19:06	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/08/16 19:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/08/16 19:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/08/16 19:06	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/08/16 19:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/16 19:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/16 19:06	127-18-4	
Toluene	0.23J	ug/L	5.0	1		11/08/16 19:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/08/16 19:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/16 19:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/16 19:06	79-00-5	
Trichloroethene	43.5	ug/L	5.0	1		11/08/16 19:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/08/16 19:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/08/16 19:06	76-13-1	
Vinyl chloride	1.9J	ug/L	2.0	1		11/08/16 19:06	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: SB-1609 (21-24)		Lab ID: 50158417005		Collected: 11/07/16 16:30		Received: 11/08/16 11:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/08/16 19:06	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		102	%.	84-118	1		11/08/16 19:06	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/08/16 19:06	460-00-4	
Toluene-d8 (S)		104	%.	86-110	1		11/08/16 19:06	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: DUP-03 (110716)		Lab ID: 50158417006	Collected: 11/07/16 08:00	Received: 11/08/16 11:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/08/16 19:34	67-64-1	
Benzene	ND	ug/L	5.0	1		11/08/16 19:34	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/16 19:34	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/16 19:34	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/08/16 19:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/08/16 19:34	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/16 19:34	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/16 19:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/16 19:34	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/08/16 19:34	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/16 19:34	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/16 19:34	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/08/16 19:34	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/08/16 19:34	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/16 19:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/16 19:34	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 19:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 19:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 19:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/08/16 19:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/16 19:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/16 19:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/16 19:34	75-35-4	
cis-1,2-Dichloroethene	26.0	ug/L	5.0	1		11/08/16 19:34	156-59-2	
trans-1,2-Dichloroethene	5.5	ug/L	5.0	1		11/08/16 19:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/16 19:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 19:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 19:34	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/16 19:34	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/08/16 19:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/08/16 19:34	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/08/16 19:34	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/08/16 19:34	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/08/16 19:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/08/16 19:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/08/16 19:34	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/08/16 19:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/16 19:34	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/16 19:34	127-18-4	
Toluene	0.098J	ug/L	5.0	1		11/08/16 19:34	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/08/16 19:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/16 19:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/16 19:34	79-00-5	
Trichloroethene	35.0	ug/L	5.0	1		11/08/16 19:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/08/16 19:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/08/16 19:34	76-13-1	
Vinyl chloride	1.6J	ug/L	2.0	1		11/08/16 19:34	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: DUP-03 (110716)		Lab ID: 50158417006		Collected: 11/07/16 08:00		Received: 11/08/16 11:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/08/16 19:34	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		106	%.	84-118	1		11/08/16 19:34	1868-53-7	HS
4-Bromofluorobenzene (S)		95	%.	79-116	1		11/08/16 19:34	460-00-4	
Toluene-d8 (S)		105	%.	86-110	1		11/08/16 19:34	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: Piezo-SB-1603 (17.5-22.5)		Lab ID: 50158417007	Collected: 11/07/16 17:45	Received: 11/08/16 11:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	8.1J	ug/L	100	1		11/08/16 20:02	67-64-1	B
Benzene	ND	ug/L	5.0	1		11/08/16 20:02	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/16 20:02	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/16 20:02	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/08/16 20:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/08/16 20:02	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/16 20:02	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/16 20:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/16 20:02	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/08/16 20:02	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/16 20:02	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/16 20:02	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/08/16 20:02	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/08/16 20:02	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/16 20:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/16 20:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 20:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 20:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 20:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/08/16 20:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/16 20:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/16 20:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/16 20:02	75-35-4	
cis-1,2-Dichloroethene	18.8	ug/L	5.0	1		11/08/16 20:02	156-59-2	
trans-1,2-Dichloroethene	1.3J	ug/L	5.0	1		11/08/16 20:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/16 20:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 20:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 20:02	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/16 20:02	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/08/16 20:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/08/16 20:02	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/08/16 20:02	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/08/16 20:02	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/08/16 20:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/08/16 20:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/08/16 20:02	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/08/16 20:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/16 20:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/16 20:02	127-18-4	
Toluene	0.22J	ug/L	5.0	1		11/08/16 20:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/08/16 20:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/16 20:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/16 20:02	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/16 20:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/08/16 20:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/08/16 20:02	76-13-1	
Vinyl chloride	0.62J	ug/L	2.0	1		11/08/16 20:02	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: Piezo-SB-1603 (17.5-22.5)		Lab ID: 50158417007		Collected: 11/07/16 17:45		Received: 11/08/16 11:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/08/16 20:02	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		103	%.	84-118	1		11/08/16 20:02	1868-53-7	
4-Bromofluorobenzene (S)		97	%.	79-116	1		11/08/16 20:02	460-00-4	
Toluene-d8 (S)		102	%.	86-110	1		11/08/16 20:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: Piezo-SB-1604 (17-22)		Lab ID: 50158417008	Collected: 11/07/16 17:55	Received: 11/08/16 11:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	7.3J	ug/L	100	1		11/08/16 20:29	67-64-1	B
Benzene	ND	ug/L	5.0	1		11/08/16 20:29	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/16 20:29	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/16 20:29	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/08/16 20:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/08/16 20:29	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/16 20:29	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/16 20:29	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/16 20:29	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/08/16 20:29	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/16 20:29	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/16 20:29	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/08/16 20:29	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/08/16 20:29	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/16 20:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/16 20:29	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 20:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 20:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 20:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/08/16 20:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/16 20:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/16 20:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/16 20:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/16 20:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/16 20:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/16 20:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 20:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 20:29	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/16 20:29	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/08/16 20:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/08/16 20:29	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/08/16 20:29	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/08/16 20:29	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/08/16 20:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/08/16 20:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/08/16 20:29	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/08/16 20:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/16 20:29	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/16 20:29	127-18-4	
Toluene	0.24J	ug/L	5.0	1		11/08/16 20:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/08/16 20:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/16 20:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/16 20:29	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/16 20:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/08/16 20:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/08/16 20:29	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/08/16 20:29	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: Piezo-SB-1604 (17-22)		Lab ID: 50158417008		Collected: 11/07/16 17:55		Received: 11/08/16 11:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/08/16 20:29	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	84-118	1		11/08/16 20:29	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/08/16 20:29	460-00-4	
Toluene-d8 (S)		103	%.	86-110	1		11/08/16 20:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: Piezo-SB-1601 (13.5-18.5)		Lab ID: 50158417009	Collected: 11/08/16 08:05	Received: 11/08/16 11:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	11.5J	ug/L	100	1		11/08/16 20:56	67-64-1	B
Benzene	ND	ug/L	5.0	1		11/08/16 20:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/16 20:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/16 20:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/08/16 20:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/08/16 20:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/16 20:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/16 20:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/16 20:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/08/16 20:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/16 20:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/16 20:56	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/08/16 20:56	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/08/16 20:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/16 20:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/16 20:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 20:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 20:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 20:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/08/16 20:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/16 20:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/16 20:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/16 20:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/16 20:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/16 20:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/16 20:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 20:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 20:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/16 20:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/08/16 20:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/08/16 20:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/08/16 20:56	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/08/16 20:56	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/08/16 20:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/08/16 20:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/08/16 20:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/08/16 20:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/16 20:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/16 20:56	127-18-4	
Toluene	0.26J	ug/L	5.0	1		11/08/16 20:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/08/16 20:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/16 20:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/16 20:56	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/16 20:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/08/16 20:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/08/16 20:56	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/08/16 20:56	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: Piezo-SB-1601 (13.5-18.5)		Lab ID: 50158417009		Collected: 11/08/16 08:05		Received: 11/08/16 11:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/08/16 20:56	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		104	%.	84-118	1		11/08/16 20:56	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/08/16 20:56	460-00-4	
Toluene-d8 (S)		104	%.	86-110	1		11/08/16 20:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: Piezo-SB-1608 (14.5-19.5)		Lab ID: 50158417010	Collected: 11/08/16 08:30	Received: 11/08/16 11:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	4.4J	ug/L	100	1		11/08/16 21:24	67-64-1	B
Benzene	ND	ug/L	5.0	1		11/08/16 21:24	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/16 21:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/16 21:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/08/16 21:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/08/16 21:24	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/16 21:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/16 21:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/16 21:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/08/16 21:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/16 21:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/16 21:24	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/08/16 21:24	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/08/16 21:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/16 21:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/16 21:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 21:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 21:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 21:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/08/16 21:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/16 21:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/16 21:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/16 21:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/16 21:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/16 21:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/16 21:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 21:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 21:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/16 21:24	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/08/16 21:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/08/16 21:24	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/08/16 21:24	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/08/16 21:24	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/08/16 21:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/08/16 21:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/08/16 21:24	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/08/16 21:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/16 21:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/16 21:24	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/16 21:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/08/16 21:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/16 21:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/16 21:24	79-00-5	
Trichloroethene	0.46J	ug/L	5.0	1		11/08/16 21:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/08/16 21:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/08/16 21:24	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/08/16 21:24	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: Piezo-SB-1608 (14.5-19.5)		Lab ID: 50158417010		Collected: 11/08/16 08:30		Received: 11/08/16 11:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/08/16 21:24	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		102	%.	84-118	1		11/08/16 21:24	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/08/16 21:24	460-00-4	
Toluene-d8 (S)		104	%.	86-110	1		11/08/16 21:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: Piezo-SB-1609 (15-20)		Lab ID: 50158417011	Collected: 11/08/16 08:45	Received: 11/08/16 11:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	6.1J	ug/L	100	1		11/08/16 21:52	67-64-1	B
Benzene	ND	ug/L	5.0	1		11/08/16 21:52	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/16 21:52	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/16 21:52	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/08/16 21:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/08/16 21:52	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/16 21:52	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/16 21:52	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/16 21:52	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/08/16 21:52	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/16 21:52	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/16 21:52	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/08/16 21:52	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/08/16 21:52	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/16 21:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/16 21:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 21:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 21:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/16 21:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/08/16 21:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/16 21:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/16 21:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/16 21:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/16 21:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/16 21:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/16 21:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 21:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/16 21:52	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/16 21:52	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/08/16 21:52	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/08/16 21:52	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/08/16 21:52	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/08/16 21:52	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/08/16 21:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/08/16 21:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/08/16 21:52	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/08/16 21:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/16 21:52	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/16 21:52	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/16 21:52	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/08/16 21:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/16 21:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/16 21:52	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/16 21:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/08/16 21:52	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/08/16 21:52	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/08/16 21:52	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158417

Sample: Piezo-SB-1609 (15-20)		Lab ID: 50158417011		Collected: 11/08/16 08:45		Received: 11/08/16 11:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/08/16 21:52	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	84-118	1		11/08/16 21:52	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/08/16 21:52	460-00-4	
Toluene-d8 (S)		105	%.	86-110	1		11/08/16 21:52	2037-26-5	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50158417

QC Batch: 360498 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50158417001, 50158417002, 50158417003, 50158417004, 50158417005, 50158417006, 50158417007, 50158417008, 50158417009, 50158417010, 50158417011

METHOD BLANK: 1665751 Matrix: Water
Associated Lab Samples: 50158417001, 50158417002, 50158417003, 50158417004, 50158417005, 50158417006, 50158417007, 50158417008, 50158417009, 50158417010, 50158417011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/08/16 14:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/08/16 14:55	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/08/16 14:55	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/08/16 14:55	
1,1-Dichloroethane	ug/L	ND	5.0	11/08/16 14:55	
1,1-Dichloroethene	ug/L	ND	5.0	11/08/16 14:55	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/08/16 14:55	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/08/16 14:55	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/08/16 14:55	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/08/16 14:55	
1,2-Dichloroethane	ug/L	ND	5.0	11/08/16 14:55	
1,2-Dichloropropane	ug/L	ND	5.0	11/08/16 14:55	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/08/16 14:55	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/08/16 14:55	
2-Butanone (MEK)	ug/L	ND	25.0	11/08/16 14:55	
2-Hexanone	ug/L	ND	25.0	11/08/16 14:55	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/08/16 14:55	
Acetone	ug/L	1.6J	100	11/08/16 14:55	
Benzene	ug/L	ND	5.0	11/08/16 14:55	
Bromodichloromethane	ug/L	ND	5.0	11/08/16 14:55	
Bromoform	ug/L	ND	5.0	11/08/16 14:55	
Bromomethane	ug/L	ND	5.0	11/08/16 14:55	
Carbon disulfide	ug/L	ND	10.0	11/08/16 14:55	
Carbon tetrachloride	ug/L	ND	5.0	11/08/16 14:55	
Chlorobenzene	ug/L	ND	5.0	11/08/16 14:55	
Chloroethane	ug/L	ND	5.0	11/08/16 14:55	
Chloroform	ug/L	ND	5.0	11/08/16 14:55	
Chloromethane	ug/L	ND	5.0	11/08/16 14:55	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/08/16 14:55	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/08/16 14:55	
Cyclohexane	ug/L	ND	100	11/08/16 14:55	N2
Dibromochloromethane	ug/L	ND	5.0	11/08/16 14:55	
Dichlorodifluoromethane	ug/L	ND	5.0	11/08/16 14:55	
Ethylbenzene	ug/L	ND	5.0	11/08/16 14:55	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/08/16 14:55	
Methyl acetate	ug/L	ND	50.0	11/08/16 14:55	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/08/16 14:55	
Methylcyclohexane	ug/L	ND	50.0	11/08/16 14:55	N2
Methylene Chloride	ug/L	ND	5.0	11/08/16 14:55	
Styrene	ug/L	ND	5.0	11/08/16 14:55	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50158417

METHOD BLANK: 1665751

Matrix: Water

Associated Lab Samples: 50158417001, 50158417002, 50158417003, 50158417004, 50158417005, 50158417006, 50158417007, 50158417008, 50158417009, 50158417010, 50158417011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	5.0	11/08/16 14:55	
Toluene	ug/L	ND	5.0	11/08/16 14:55	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/08/16 14:55	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/08/16 14:55	
Trichloroethene	ug/L	ND	5.0	11/08/16 14:55	
Trichlorofluoromethane	ug/L	ND	5.0	11/08/16 14:55	
Vinyl chloride	ug/L	ND	2.0	11/08/16 14:55	
Xylene (Total)	ug/L	ND	10.0	11/08/16 14:55	
4-Bromofluorobenzene (S)	%	98	79-116	11/08/16 14:55	
Dibromofluoromethane (S)	%	104	84-118	11/08/16 14:55	
Toluene-d8 (S)	%	102	86-110	11/08/16 14:55	

LABORATORY CONTROL SAMPLE: 1665752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.8	90	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	47.2	94	72-124	
1,1,2-Trichloroethane	ug/L	50	47.0	94	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	54.9	110	80-111	
1,1-Dichloroethane	ug/L	50	51.3	103	70-120	
1,1-Dichloroethene	ug/L	50	51.0	102	69-127	
1,2,4-Trichlorobenzene	ug/L	50	45.5	91	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	40.5	81	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	52.3	105	76-125	
1,2-Dichlorobenzene	ug/L	50	48.5	97	77-122	
1,2-Dichloroethane	ug/L	50	54.1	108	70-123	
1,2-Dichloropropane	ug/L	50	52.0	104	77-124	
1,3-Dichlorobenzene	ug/L	50	48.7	97	76-124	
1,4-Dichlorobenzene	ug/L	50	49.6	99	75-117	
2-Butanone (MEK)	ug/L	250	266	106	60-135	
2-Hexanone	ug/L	250	260	104	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	255	102	66-134	
Acetone	ug/L	250	190	76	47-144	
Benzene	ug/L	50	49.5	99	76-122	
Bromodichloromethane	ug/L	50	46.4	93	71-124	
Bromoform	ug/L	50	39.8	80	60-125	
Bromomethane	ug/L	50	38.3	77	23-194	
Carbon disulfide	ug/L	50	44.9	90	63-130	
Carbon tetrachloride	ug/L	50	48.0	96	73-133	
Chlorobenzene	ug/L	50	49.2	98	76-118	
Chloroethane	ug/L	50	44.5	89	50-147	
Chloroform	ug/L	50	52.4	105	70-119	
Chloromethane	ug/L	50	42.0	84	52-136	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50158417

LABORATORY CONTROL SAMPLE: 1665752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	49.6	99	74-120	
cis-1,3-Dichloropropene	ug/L	50	50.7	101	71-134	
Cyclohexane	ug/L	50	47.4J	95	86-122	N2
Dibromochloromethane	ug/L	50	48.1	96	73-127	
Dichlorodifluoromethane	ug/L	50	33.9	68	39-166	
Ethylbenzene	ug/L	50	54.0	108	75-123	
Isopropylbenzene (Cumene)	ug/L	50	53.8	108	84-134	
Methyl acetate	ug/L	50	64.3	129	68-192	N2
Methyl-tert-butyl ether	ug/L	50	44.4	89	65-131	
Methylcyclohexane	ug/L	50	48.1J	96	89-122	N2
Methylene Chloride	ug/L	50	37.7	75	66-130	
Styrene	ug/L	50	55.7	111	78-128	
Tetrachloroethene	ug/L	50	49.9	100	69-119	
Toluene	ug/L	50	49.7	99	74-122	
trans-1,2-Dichloroethene	ug/L	50	50.5	101	72-122	
trans-1,3-Dichloropropene	ug/L	50	49.7	99	66-135	
Trichloroethene	ug/L	50	50.3	101	75-123	
Trichlorofluoromethane	ug/L	50	51.8	104	58-148	
Vinyl chloride	ug/L	50	48.9	98	61-147	
Xylene (Total)	ug/L	150	158	105	75-127	
4-Bromofluorobenzene (S)	%.			108	79-116	
Dibromofluoromethane (S)	%.			101	84-118	
Toluene-d8 (S)	%.			105	86-110	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Racer-Kokomo
Pace Project No.: 50158417

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Racer-Kokomo

Pace Project No.: 50158417

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50158417001	TB-02 (110716)	EPA 8260	360498		
50158417002	SB-1609 (30-33)	EPA 8260	360498		
50158417003	SB-1609 (27-30)	EPA 8260	360498		
50158417004	SB-1609 (24-27)	EPA 8260	360498		
50158417005	SB-1609 (21-24)	EPA 8260	360498		
50158417006	DUP-03 (110716)	EPA 8260	360498		
50158417007	Piezo-SB-1603 (17.5-22.5)	EPA 8260	360498		
50158417008	Piezo-SB-1604 (17-22)	EPA 8260	360498		
50158417009	Piezo-SB-1601 (13.5-18.5)	EPA 8260	360498		
50158417010	Piezo-SB-1608 (14.5-19.5)	EPA 8260	360498		
50158417011	Piezo-SB-1609 (15-20)	EPA 8260	360498		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: ARCADIS	Report To: Desire Wright	Company Name:	Attention:	Page: 1 of 1	Invoice Number: 2159056
Address: 132 E Washington	Copy To: Matt Fries	Address:			
Phone: 37221500	Project Name: ARCADIS - Lake Martin	Reference:			
Requested Due Date: TAT - 24 Hr / Next Day	Project Number: 11008894.2016	Pace Project Manager: Kelly Jones			
		Pace Profile #:			

Section D Required Client Information	Matrix Codes MATRIX / CODE Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION		# OF CONTAINERS	PRESERVATIVES										Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		COMPOSITE START	COMPOSITE END/GRAB			DATE	TIME		DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	TB-02 (110716)				WT G		11-21-16	1400	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																									
* 24 Hr / Next Day TAT *		Lake Martin		11-21-16		1055		Lake Martin		11-21-16		1055		Y N Y																									
		David Smith		11-21-16		1055		David Smith		11-21-16		1055		Y N Y																									
<table border="1"> <tr> <td colspan="4">SAMPLER NAME AND SIGNATURE</td> <td colspan="4">PRINT Name of SAMPLER: Lake Martin</td> <td colspan="4">DATE Signed (MM/DD/YY): 11/21/16</td> </tr> <tr> <td colspan="4">SIGNATURE of SAMPLER:</td> <td colspan="4"></td> <td colspan="4"></td> </tr> </table>																SAMPLER NAME AND SIGNATURE				PRINT Name of SAMPLER: Lake Martin				DATE Signed (MM/DD/YY): 11/21/16				SIGNATURE of SAMPLER:											
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<table border="1"> <tr> <td>Temp in °C</td> <td>Received on</td> <td>Custody</td> <td>Sealed Cooler</td> <td>Samples Intact</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																Temp in °C	Received on	Custody	Sealed Cooler	Samples Intact																			
Temp in °C	Received on	Custody	Sealed Cooler	Samples Intact																																			

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month. Invoices not paid within 30 days.

Sample Condition Upon Receipt

Face Analytical

Client Name:

Areadis

Project #

50158417

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

Tracking #:

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

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other FOAM

Thermometer 123456 ABCDEF

Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Initial/Corrected) 0.9/0.9

Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: AS 11-8-16

Are samples from West Virginia?	☐ Yes ☒ No	1.
Document any containers out of temp.		
Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	3.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	4.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☒ Yes ☐ No ☐ N/A	7. 24 hr. Turn
Containers Intact:	☒ Yes ☐ No ☐ N/A	8.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	9.
-Includes date/time/ID/Analysis		
All containers needing acid/base pres. have been checked?	☐ Yes ☐ No ☒ N/A	10. (Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
exceptions: VOA, collform, TOC, O&G		
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12. Present Absent
Headspace in VOA Vials (>6mm):	☒ Yes ☐ No ☐ N/A	13.
Headspace Wisconsin Sulfide	☐ Yes ☐ No	14.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	15.
Trip Blank Custody Seals Present	☐ Yes ☒ No ☐ N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	15.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	16.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	17.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution: Headspace In Vials: SB-(30-33) 1-vial SB(24-27) 2-vials
 Dup-03 3-vials PIC 20 (17-22) 2-vials

Project Manager Review:

K. Jones

Date:

11-8-17

CLIENT: Arcaids

CLIENT:

COC PAGE 1 of 1
COC ID# 2159056

**Bulk
Kit**

Sample Line

AG1U WGFU AG0U R 4 / 6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H BP3C BP1U SP1U SP5T AG2U

The image shows a hand-drawn graph on a grid. The horizontal axis is labeled with numbers 1 through 12. The vertical axis is labeled with numbers 1 through 12. There are two curves plotted, both labeled 'WT'.

- The first curve starts at the point (0, 3) and ends at (12, 0). It is a smooth, slightly wavy line.
- The second curve starts at the point (0, 12) and ends at (12, 0). It is a smooth, slightly wavy line.

Container Codes

DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	tterra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFY	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Zinloc Bag.

November 10, 2016

Jesse Wright
Arcadis U.S., Inc.
132 E. Washington Street
Suite 600
Indianapolis, IN 46204

RE: Project: Racer-Kokomo
Pace Project No.: 50158595

Dear Jesse Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on November 09, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kelly Jones
kelly.jones@pacelabs.com
Project Manager

Enclosures

cc: Ms. Sarah Fisher, Arcadis
Mr. Matt Griles, Arcadis U.S., Inc.
Mr. Luke Martin, Arcadis
Ms. Lauren Werckenthien, Arcadis



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Racer-Kokomo

Pace Project No.: 50158595

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 003971

Indiana Certification #: C-49-06

Kansas/NELAP Certification #: E-10177

Kentucky UST Certification #: 80226

Kentucky WW Certification #: 98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2016-075

Texas Certification #: T104704355-16-10

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-16-00257

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Racer-Kokomo

Pace Project No.: 50158595

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50158595001	TB-01 (110916)	Water	11/09/16 08:00	11/09/16 17:25
50158595002	SB-1610 (25-28)	Water	11/09/16 10:10	11/09/16 17:25
50158595003	SB-1610 (22-25)	Water	11/09/16 10:40	11/09/16 17:25
50158595004	SB-1610 (18-21)	Water	11/09/16 11:00	11/09/16 17:25
50158595005	SB-1612 (30-33)	Water	11/09/16 12:05	11/09/16 17:25
50158595006	SB-1612 (27-30)	Water	11/09/16 12:15	11/09/16 17:25
50158595007	SB-1612 (24-27)	Water	11/09/16 12:35	11/09/16 17:25
50158595008	SB-1612 (21-24)	Water	11/09/16 13:05	11/09/16 17:25
50158595009	SB-1612 (18-21)	Water	11/09/16 13:20	11/09/16 17:25
50158595010	SB-1615 (43-46)	Water	11/09/16 15:00	11/09/16 17:25

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Racer-Kokomo

Pace Project No.: 50158595

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50158595001	TB-01 (110916)	EPA 8260	CAP	51
50158595002	SB-1610 (25-28)	EPA 8260	CAP	51
50158595003	SB-1610 (22-25)	EPA 8260	CAP	51
50158595004	SB-1610 (18-21)	EPA 8260	CAP	51
50158595005	SB-1612 (30-33)	EPA 8260	CAP	51
50158595006	SB-1612 (27-30)	EPA 8260	CAP	51
50158595007	SB-1612 (24-27)	EPA 8260	CAP	51
50158595008	SB-1612 (21-24)	EPA 8260	CAP	51
50158595009	SB-1612 (18-21)	EPA 8260	CAP	51
50158595010	SB-1615 (43-46)	EPA 8260	CAP	51

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Racer-Kokomo

Pace Project No.: 50158595

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158595002	SB-1610 (25-28)					
EPA 8260	cis-1,2-Dichloroethene	28.8	ug/L	5.0	11/10/16 01:54	
EPA 8260	trans-1,2-Dichloroethene	6.1	ug/L	5.0	11/10/16 01:54	
EPA 8260	Toluene	0.19J	ug/L	5.0	11/10/16 01:54	
EPA 8260	Trichloroethene	40.0	ug/L	5.0	11/10/16 01:54	
EPA 8260	Vinyl chloride	0.14J	ug/L	2.0	11/10/16 01:54	
50158595003	SB-1610 (22-25)					
EPA 8260	cis-1,2-Dichloroethene	460	ug/L	25.0	11/10/16 02:28	
EPA 8260	trans-1,2-Dichloroethene	65.7	ug/L	25.0	11/10/16 02:28	
EPA 8260	Methylene Chloride	4.5J	ug/L	25.0	11/10/16 02:28	
EPA 8260	Trichloroethene	1360	ug/L	25.0	11/10/16 02:28	
EPA 8260	Vinyl chloride	3.8J	ug/L	10.0	11/10/16 02:28	
50158595004	SB-1610 (18-21)					
EPA 8260	Chloroform	0.24J	ug/L	5.0	11/10/16 03:37	
EPA 8260	1,1-Dichloroethane	2.2J	ug/L	5.0	11/10/16 03:37	
EPA 8260	1,1-Dichloroethene	0.93J	ug/L	5.0	11/10/16 03:37	
EPA 8260	cis-1,2-Dichloroethene	270	ug/L	5.0	11/10/16 03:37	
EPA 8260	trans-1,2-Dichloroethene	33.6	ug/L	5.0	11/10/16 03:37	
EPA 8260	Trichloroethene	107	ug/L	5.0	11/10/16 03:37	
EPA 8260	Vinyl chloride	5.5	ug/L	2.0	11/10/16 03:37	
50158595005	SB-1612 (30-33)					
EPA 8260	cis-1,2-Dichloroethene	0.77J	ug/L	5.0	11/10/16 04:11	
EPA 8260	Toluene	0.17J	ug/L	5.0	11/10/16 04:11	
EPA 8260	Trichloroethene	2.1J	ug/L	5.0	11/10/16 04:11	
50158595007	SB-1612 (24-27)					
EPA 8260	Toluene	0.33J	ug/L	5.0	11/10/16 06:28	
EPA 8260	Trichloroethene	0.14J	ug/L	5.0	11/10/16 06:28	
50158595008	SB-1612 (21-24)					
EPA 8260	cis-1,2-Dichloroethene	0.25J	ug/L	5.0	11/10/16 07:02	
EPA 8260	Toluene	0.21J	ug/L	5.0	11/10/16 07:02	
EPA 8260	Trichloroethene	0.39J	ug/L	5.0	11/10/16 07:02	
EPA 8260	Vinyl chloride	3.5	ug/L	2.0	11/10/16 07:02	
50158595009	SB-1612 (18-21)					
EPA 8260	cis-1,2-Dichloroethene	2.2J	ug/L	5.0	11/10/16 07:37	
EPA 8260	Toluene	0.19J	ug/L	5.0	11/10/16 07:37	
EPA 8260	Vinyl chloride	8.9	ug/L	2.0	11/10/16 07:37	
50158595010	SB-1615 (43-46)					
EPA 8260	cis-1,2-Dichloroethene	122	ug/L	5.0	11/10/16 08:45	
EPA 8260	trans-1,2-Dichloroethene	35.1	ug/L	5.0	11/10/16 08:45	
EPA 8260	Toluene	0.15J	ug/L	5.0	11/10/16 08:45	
EPA 8260	Trichloroethene	197	ug/L	5.0	11/10/16 08:45	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: TB-01 (110916)		Lab ID: 50158595001	Collected: 11/09/16 08:00	Received: 11/09/16 17:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/10/16 01:20	67-64-1	
Benzene	ND	ug/L	5.0	1		11/10/16 01:20	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/10/16 01:20	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/10/16 01:20	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/10/16 01:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/10/16 01:20	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/10/16 01:20	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/10/16 01:20	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/10/16 01:20	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/10/16 01:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/10/16 01:20	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/10/16 01:20	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/10/16 01:20	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/10/16 01:20	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/10/16 01:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/10/16 01:20	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 01:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 01:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 01:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/10/16 01:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/10/16 01:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/10/16 01:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/10/16 01:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/10/16 01:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/10/16 01:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/10/16 01:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 01:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 01:20	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/10/16 01:20	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/10/16 01:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/10/16 01:20	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/10/16 01:20	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/10/16 01:20	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/10/16 01:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/10/16 01:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/10/16 01:20	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/10/16 01:20	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/10/16 01:20	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/10/16 01:20	127-18-4	
Toluene	ND	ug/L	5.0	1		11/10/16 01:20	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/10/16 01:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/10/16 01:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/10/16 01:20	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/10/16 01:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/10/16 01:20	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/10/16 01:20	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/10/16 01:20	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: TB-01 (110916)		Lab ID: 50158595001		Collected: 11/09/16 08:00		Received: 11/09/16 17:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/10/16 01:20	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	1		11/10/16 01:20	1868-53-7	
4-Bromofluorobenzene (S)		95	%.	79-116	1		11/10/16 01:20	460-00-4	
Toluene-d8 (S)		94	%.	86-110	1		11/10/16 01:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1610 (25-28)		Lab ID: 50158595002	Collected: 11/09/16 10:10	Received: 11/09/16 17:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/10/16 01:54	67-64-1	
Benzene	ND	ug/L	5.0	1		11/10/16 01:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/10/16 01:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/10/16 01:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/10/16 01:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/10/16 01:54	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/10/16 01:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/10/16 01:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/10/16 01:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/10/16 01:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/10/16 01:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/10/16 01:54	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/10/16 01:54	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/10/16 01:54	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/10/16 01:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/10/16 01:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 01:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 01:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 01:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/10/16 01:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/10/16 01:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/10/16 01:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/10/16 01:54	75-35-4	
cis-1,2-Dichloroethene	28.8	ug/L	5.0	1		11/10/16 01:54	156-59-2	
trans-1,2-Dichloroethene	6.1	ug/L	5.0	1		11/10/16 01:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/10/16 01:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 01:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 01:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/10/16 01:54	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/10/16 01:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/10/16 01:54	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/10/16 01:54	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/10/16 01:54	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/10/16 01:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/10/16 01:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/10/16 01:54	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/10/16 01:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/10/16 01:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/10/16 01:54	127-18-4	
Toluene	0.19J	ug/L	5.0	1		11/10/16 01:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/10/16 01:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/10/16 01:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/10/16 01:54	79-00-5	
Trichloroethene	40.0	ug/L	5.0	1		11/10/16 01:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/10/16 01:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/10/16 01:54	76-13-1	
Vinyl chloride	0.14J	ug/L	2.0	1		11/10/16 01:54	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1610 (25-28)		Lab ID: 50158595002		Collected: 11/09/16 10:10		Received: 11/09/16 17:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/10/16 01:54	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		99	%.	84-118	1		11/10/16 01:54	1868-53-7	
4-Bromofluorobenzene (S)		93	%.	79-116	1		11/10/16 01:54	460-00-4	
Toluene-d8 (S)		97	%.	86-110	1		11/10/16 01:54	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1610 (22-25)		Lab ID: 50158595003	Collected: 11/09/16 10:40	Received: 11/09/16 17:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	500	5		11/10/16 02:28	67-64-1	
Benzene	ND	ug/L	25.0	5		11/10/16 02:28	71-43-2	
Bromodichloromethane	ND	ug/L	25.0	5		11/10/16 02:28	75-27-4	
Bromoform	ND	ug/L	25.0	5		11/10/16 02:28	75-25-2	
Bromomethane	ND	ug/L	25.0	5		11/10/16 02:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	125	5		11/10/16 02:28	78-93-3	
Carbon disulfide	ND	ug/L	50.0	5		11/10/16 02:28	75-15-0	
Carbon tetrachloride	ND	ug/L	25.0	5		11/10/16 02:28	56-23-5	
Chlorobenzene	ND	ug/L	25.0	5		11/10/16 02:28	108-90-7	
Chloroethane	ND	ug/L	25.0	5		11/10/16 02:28	75-00-3	
Chloroform	ND	ug/L	25.0	5		11/10/16 02:28	67-66-3	
Chloromethane	ND	ug/L	25.0	5		11/10/16 02:28	74-87-3	
Cyclohexane	ND	ug/L	500	5		11/10/16 02:28	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	5		11/10/16 02:28	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	5		11/10/16 02:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	5		11/10/16 02:28	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	25.0	5		11/10/16 02:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	5		11/10/16 02:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	5		11/10/16 02:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	5		11/10/16 02:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	5		11/10/16 02:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	5		11/10/16 02:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	5		11/10/16 02:28	75-35-4	
cis-1,2-Dichloroethene	460	ug/L	25.0	5		11/10/16 02:28	156-59-2	
trans-1,2-Dichloroethene	65.7	ug/L	25.0	5		11/10/16 02:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	5		11/10/16 02:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	25.0	5		11/10/16 02:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	5		11/10/16 02:28	10061-02-6	
Ethylbenzene	ND	ug/L	25.0	5		11/10/16 02:28	100-41-4	
2-Hexanone	ND	ug/L	125	5		11/10/16 02:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	5		11/10/16 02:28	98-82-8	
Methyl acetate	ND	ug/L	250	5		11/10/16 02:28	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	250	5		11/10/16 02:28	108-87-2	N2
Methylene Chloride	4.5J	ug/L	25.0	5		11/10/16 02:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	5		11/10/16 02:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	20.0	5		11/10/16 02:28	1634-04-4	
Styrene	ND	ug/L	25.0	5		11/10/16 02:28	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	5		11/10/16 02:28	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	5		11/10/16 02:28	127-18-4	
Toluene	ND	ug/L	25.0	5		11/10/16 02:28	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	5		11/10/16 02:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	5		11/10/16 02:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	5		11/10/16 02:28	79-00-5	
Trichloroethene	1360	ug/L	25.0	5		11/10/16 02:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	5		11/10/16 02:28	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	25.0	5		11/10/16 02:28	76-13-1	
Vinyl chloride	3.8J	ug/L	10.0	5		11/10/16 02:28	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1610 (22-25)		Lab ID: 50158595003		Collected: 11/09/16 10:40		Received: 11/09/16 17:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	50.0	5		11/10/16 02:28	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	5		11/10/16 02:28	1868-53-7	D4
4-Bromofluorobenzene (S)		88	%.	79-116	5		11/10/16 02:28	460-00-4	
Toluene-d8 (S)		96	%.	86-110	5		11/10/16 02:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1610 (18-21)		Lab ID: 50158595004	Collected: 11/09/16 11:00	Received: 11/09/16 17:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/10/16 03:37	67-64-1	
Benzene	ND	ug/L	5.0	1		11/10/16 03:37	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/10/16 03:37	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/10/16 03:37	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/10/16 03:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/10/16 03:37	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/10/16 03:37	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/10/16 03:37	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/10/16 03:37	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/10/16 03:37	75-00-3	
Chloroform	0.24J	ug/L	5.0	1		11/10/16 03:37	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/10/16 03:37	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/10/16 03:37	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/10/16 03:37	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/10/16 03:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/10/16 03:37	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 03:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 03:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 03:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/10/16 03:37	75-71-8	
1,1-Dichloroethane	2.2J	ug/L	5.0	1		11/10/16 03:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/10/16 03:37	107-06-2	
1,1-Dichloroethene	0.93J	ug/L	5.0	1		11/10/16 03:37	75-35-4	
cis-1,2-Dichloroethene	270	ug/L	5.0	1		11/10/16 03:37	156-59-2	
trans-1,2-Dichloroethene	33.6	ug/L	5.0	1		11/10/16 03:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/10/16 03:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 03:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 03:37	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/10/16 03:37	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/10/16 03:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/10/16 03:37	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/10/16 03:37	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/10/16 03:37	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/10/16 03:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/10/16 03:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/10/16 03:37	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/10/16 03:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/10/16 03:37	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/10/16 03:37	127-18-4	
Toluene	ND	ug/L	5.0	1		11/10/16 03:37	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/10/16 03:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/10/16 03:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/10/16 03:37	79-00-5	
Trichloroethene	107	ug/L	5.0	1		11/10/16 03:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/10/16 03:37	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/10/16 03:37	76-13-1	
Vinyl chloride	5.5	ug/L	2.0	1		11/10/16 03:37	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1610 (18-21)		Lab ID: 50158595004		Collected: 11/09/16 11:00		Received: 11/09/16 17:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/10/16 03:37	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		102	%.	84-118	1		11/10/16 03:37	1868-53-7	
4-Bromofluorobenzene (S)		94	%.	79-116	1		11/10/16 03:37	460-00-4	
Toluene-d8 (S)		99	%.	86-110	1		11/10/16 03:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1612 (30-33)		Lab ID: 50158595005	Collected: 11/09/16 12:05	Received: 11/09/16 17:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/10/16 04:11	67-64-1	
Benzene	ND	ug/L	5.0	1		11/10/16 04:11	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/10/16 04:11	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/10/16 04:11	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/10/16 04:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/10/16 04:11	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/10/16 04:11	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/10/16 04:11	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/10/16 04:11	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/10/16 04:11	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/10/16 04:11	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/10/16 04:11	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/10/16 04:11	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/10/16 04:11	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/10/16 04:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/10/16 04:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 04:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 04:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 04:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/10/16 04:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/10/16 04:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/10/16 04:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/10/16 04:11	75-35-4	
cis-1,2-Dichloroethene	0.77J	ug/L	5.0	1		11/10/16 04:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/10/16 04:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/10/16 04:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 04:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 04:11	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/10/16 04:11	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/10/16 04:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/10/16 04:11	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/10/16 04:11	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/10/16 04:11	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/10/16 04:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/10/16 04:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/10/16 04:11	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/10/16 04:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/10/16 04:11	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/10/16 04:11	127-18-4	
Toluene	0.17J	ug/L	5.0	1		11/10/16 04:11	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/10/16 04:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/10/16 04:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/10/16 04:11	79-00-5	
Trichloroethene	2.1J	ug/L	5.0	1		11/10/16 04:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/10/16 04:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/10/16 04:11	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/10/16 04:11	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1612 (30-33)		Lab ID: 50158595005		Collected: 11/09/16 12:05		Received: 11/09/16 17:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/10/16 04:11	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		100	%.	84-118	1		11/10/16 04:11	1868-53-7	
4-Bromofluorobenzene (S)		90	%.	79-116	1		11/10/16 04:11	460-00-4	
Toluene-d8 (S)		98	%.	86-110	1		11/10/16 04:11	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1612 (27-30)		Lab ID: 50158595006	Collected: 11/09/16 12:15	Received: 11/09/16 17:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/10/16 05:19	67-64-1	
Benzene	ND	ug/L	5.0	1		11/10/16 05:19	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/10/16 05:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/10/16 05:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/10/16 05:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/10/16 05:19	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/10/16 05:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/10/16 05:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/10/16 05:19	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/10/16 05:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/10/16 05:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/10/16 05:19	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/10/16 05:19	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/10/16 05:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/10/16 05:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/10/16 05:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 05:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 05:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 05:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/10/16 05:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/10/16 05:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/10/16 05:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/10/16 05:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/10/16 05:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/10/16 05:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/10/16 05:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 05:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 05:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/10/16 05:19	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/10/16 05:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/10/16 05:19	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/10/16 05:19	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/10/16 05:19	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/10/16 05:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/10/16 05:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/10/16 05:19	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/10/16 05:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/10/16 05:19	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/10/16 05:19	127-18-4	
Toluene	ND	ug/L	5.0	1		11/10/16 05:19	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/10/16 05:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/10/16 05:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/10/16 05:19	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/10/16 05:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/10/16 05:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/10/16 05:19	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/10/16 05:19	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1612 (27-30)		Lab ID: 50158595006		Collected: 11/09/16 12:15		Received: 11/09/16 17:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/10/16 05:19	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	102	%.	84-118	1		11/10/16 05:19	1868-53-7		
4-Bromofluorobenzene (S)	91	%.	79-116	1		11/10/16 05:19	460-00-4		
Toluene-d8 (S)	97	%.	86-110	1		11/10/16 05:19	2037-26-5		

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1612 (24-27)		Lab ID: 50158595007	Collected: 11/09/16 12:35	Received: 11/09/16 17:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/10/16 06:28	67-64-1	
Benzene	ND	ug/L	5.0	1		11/10/16 06:28	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/10/16 06:28	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/10/16 06:28	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/10/16 06:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/10/16 06:28	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/10/16 06:28	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/10/16 06:28	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/10/16 06:28	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/10/16 06:28	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/10/16 06:28	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/10/16 06:28	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/10/16 06:28	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/10/16 06:28	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/10/16 06:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/10/16 06:28	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 06:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 06:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 06:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/10/16 06:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/10/16 06:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/10/16 06:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/10/16 06:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/10/16 06:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/10/16 06:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/10/16 06:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 06:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 06:28	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/10/16 06:28	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/10/16 06:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/10/16 06:28	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/10/16 06:28	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/10/16 06:28	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/10/16 06:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/10/16 06:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/10/16 06:28	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/10/16 06:28	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/10/16 06:28	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/10/16 06:28	127-18-4	
Toluene	0.33J	ug/L	5.0	1		11/10/16 06:28	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/10/16 06:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/10/16 06:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/10/16 06:28	79-00-5	
Trichloroethene	0.14J	ug/L	5.0	1		11/10/16 06:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/10/16 06:28	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/10/16 06:28	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/10/16 06:28	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1612 (24-27)		Lab ID: 50158595007		Collected: 11/09/16 12:35		Received: 11/09/16 17:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/10/16 06:28	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		98	%.	84-118	1		11/10/16 06:28	1868-53-7	
4-Bromofluorobenzene (S)		94	%.	79-116	1		11/10/16 06:28	460-00-4	
Toluene-d8 (S)		100	%.	86-110	1		11/10/16 06:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1612 (21-24)		Lab ID: 50158595008	Collected: 11/09/16 13:05	Received: 11/09/16 17:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/10/16 07:02	67-64-1	
Benzene	ND	ug/L	5.0	1		11/10/16 07:02	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/10/16 07:02	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/10/16 07:02	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/10/16 07:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/10/16 07:02	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/10/16 07:02	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/10/16 07:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/10/16 07:02	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/10/16 07:02	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/10/16 07:02	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/10/16 07:02	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/10/16 07:02	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/10/16 07:02	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/10/16 07:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/10/16 07:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 07:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 07:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 07:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/10/16 07:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/10/16 07:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/10/16 07:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/10/16 07:02	75-35-4	
cis-1,2-Dichloroethene	0.25J	ug/L	5.0	1		11/10/16 07:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/10/16 07:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/10/16 07:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 07:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 07:02	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/10/16 07:02	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/10/16 07:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/10/16 07:02	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/10/16 07:02	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/10/16 07:02	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/10/16 07:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/10/16 07:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/10/16 07:02	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/10/16 07:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/10/16 07:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/10/16 07:02	127-18-4	
Toluene	0.21J	ug/L	5.0	1		11/10/16 07:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/10/16 07:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/10/16 07:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/10/16 07:02	79-00-5	
Trichloroethene	0.39J	ug/L	5.0	1		11/10/16 07:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/10/16 07:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/10/16 07:02	76-13-1	
Vinyl chloride	3.5	ug/L	2.0	1		11/10/16 07:02	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1612 (21-24)		Lab ID: 50158595008		Collected: 11/09/16 13:05		Received: 11/09/16 17:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/10/16 07:02	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		98	%.	84-118	1		11/10/16 07:02	1868-53-7	
4-Bromofluorobenzene (S)		89	%.	79-116	1		11/10/16 07:02	460-00-4	
Toluene-d8 (S)		97	%.	86-110	1		11/10/16 07:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1612 (18-21)		Lab ID: 50158595009	Collected: 11/09/16 13:20	Received: 11/09/16 17:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/10/16 07:37	67-64-1	
Benzene	ND	ug/L	5.0	1		11/10/16 07:37	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/10/16 07:37	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/10/16 07:37	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/10/16 07:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/10/16 07:37	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/10/16 07:37	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/10/16 07:37	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/10/16 07:37	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/10/16 07:37	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/10/16 07:37	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/10/16 07:37	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/10/16 07:37	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/10/16 07:37	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/10/16 07:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/10/16 07:37	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 07:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 07:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 07:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/10/16 07:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/10/16 07:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/10/16 07:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/10/16 07:37	75-35-4	
cis-1,2-Dichloroethene	2.2J	ug/L	5.0	1		11/10/16 07:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/10/16 07:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/10/16 07:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 07:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 07:37	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/10/16 07:37	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/10/16 07:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/10/16 07:37	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/10/16 07:37	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/10/16 07:37	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/10/16 07:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/10/16 07:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/10/16 07:37	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/10/16 07:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/10/16 07:37	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/10/16 07:37	127-18-4	
Toluene	0.19J	ug/L	5.0	1		11/10/16 07:37	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/10/16 07:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/10/16 07:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/10/16 07:37	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/10/16 07:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/10/16 07:37	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/10/16 07:37	76-13-1	
Vinyl chloride	8.9	ug/L	2.0	1		11/10/16 07:37	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1612 (18-21)		Lab ID: 50158595009		Collected: 11/09/16 13:20		Received: 11/09/16 17:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/10/16 07:37	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		103	%.	84-118	1		11/10/16 07:37	1868-53-7	
4-Bromofluorobenzene (S)		94	%.	79-116	1		11/10/16 07:37	460-00-4	
Toluene-d8 (S)		96	%.	86-110	1		11/10/16 07:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1615 (43-46)		Lab ID: 50158595010	Collected: 11/09/16 15:00	Received: 11/09/16 17:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/10/16 08:45	67-64-1	
Benzene	ND	ug/L	5.0	1		11/10/16 08:45	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/10/16 08:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/10/16 08:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/10/16 08:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/10/16 08:45	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/10/16 08:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/10/16 08:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/10/16 08:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/10/16 08:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/10/16 08:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/10/16 08:45	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/10/16 08:45	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/10/16 08:45	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/10/16 08:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/10/16 08:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 08:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 08:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/10/16 08:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/10/16 08:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/10/16 08:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/10/16 08:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/10/16 08:45	75-35-4	
cis-1,2-Dichloroethene	122	ug/L	5.0	1		11/10/16 08:45	156-59-2	
trans-1,2-Dichloroethene	35.1	ug/L	5.0	1		11/10/16 08:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/10/16 08:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 08:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/10/16 08:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/10/16 08:45	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/10/16 08:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/10/16 08:45	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/10/16 08:45	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/10/16 08:45	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/10/16 08:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/10/16 08:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/10/16 08:45	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/10/16 08:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/10/16 08:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/10/16 08:45	127-18-4	
Toluene	0.15J	ug/L	5.0	1		11/10/16 08:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/10/16 08:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/10/16 08:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/10/16 08:45	79-00-5	
Trichloroethene	197	ug/L	5.0	1		11/10/16 08:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/10/16 08:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/10/16 08:45	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/10/16 08:45	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158595

Sample: SB-1615 (43-46)		Lab ID: 50158595010		Collected: 11/09/16 15:00		Received: 11/09/16 17:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/10/16 08:45	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		100	%.	84-118	1		11/10/16 08:45	1868-53-7	
4-Bromofluorobenzene (S)		96	%.	79-116	1		11/10/16 08:45	460-00-4	
Toluene-d8 (S)		99	%.	86-110	1		11/10/16 08:45	2037-26-5	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50158595

QC Batch:	360797	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	50158595001, 50158595002, 50158595003, 50158595004, 50158595005, 50158595006, 50158595007, 50158595008, 50158595009, 50158595010		

METHOD BLANK:	1667106	Matrix:	Water
Associated Lab Samples:	50158595001, 50158595002, 50158595003, 50158595004, 50158595005, 50158595006, 50158595007, 50158595008, 50158595009, 50158595010		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/10/16 00:45	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/10/16 00:45	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/10/16 00:45	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/10/16 00:45	
1,1-Dichloroethane	ug/L	ND	5.0	11/10/16 00:45	
1,1-Dichloroethene	ug/L	ND	5.0	11/10/16 00:45	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/10/16 00:45	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/10/16 00:45	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/10/16 00:45	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/10/16 00:45	
1,2-Dichloroethane	ug/L	ND	5.0	11/10/16 00:45	
1,2-Dichloropropane	ug/L	ND	5.0	11/10/16 00:45	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/10/16 00:45	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/10/16 00:45	
2-Butanone (MEK)	ug/L	ND	25.0	11/10/16 00:45	
2-Hexanone	ug/L	ND	25.0	11/10/16 00:45	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/10/16 00:45	
Acetone	ug/L	ND	100	11/10/16 00:45	
Benzene	ug/L	ND	5.0	11/10/16 00:45	
Bromodichloromethane	ug/L	ND	5.0	11/10/16 00:45	
Bromoform	ug/L	ND	5.0	11/10/16 00:45	
Bromomethane	ug/L	ND	5.0	11/10/16 00:45	
Carbon disulfide	ug/L	ND	10.0	11/10/16 00:45	
Carbon tetrachloride	ug/L	ND	5.0	11/10/16 00:45	
Chlorobenzene	ug/L	ND	5.0	11/10/16 00:45	
Chloroethane	ug/L	ND	5.0	11/10/16 00:45	
Chloroform	ug/L	ND	5.0	11/10/16 00:45	
Chloromethane	ug/L	ND	5.0	11/10/16 00:45	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/10/16 00:45	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/10/16 00:45	
Cyclohexane	ug/L	ND	100	11/10/16 00:45	N2
Dibromochloromethane	ug/L	ND	5.0	11/10/16 00:45	
Dichlorodifluoromethane	ug/L	ND	5.0	11/10/16 00:45	
Ethylbenzene	ug/L	ND	5.0	11/10/16 00:45	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/10/16 00:45	
Methyl acetate	ug/L	ND	50.0	11/10/16 00:45	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/10/16 00:45	
Methylcyclohexane	ug/L	ND	50.0	11/10/16 00:45	N2
Methylene Chloride	ug/L	ND	5.0	11/10/16 00:45	
Styrene	ug/L	ND	5.0	11/10/16 00:45	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50158595

METHOD BLANK: 1667106

Matrix: Water

Associated Lab Samples: 50158595001, 50158595002, 50158595003, 50158595004, 50158595005, 50158595006, 50158595007, 50158595008, 50158595009, 50158595010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	5.0	11/10/16 00:45	
Toluene	ug/L	ND	5.0	11/10/16 00:45	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/10/16 00:45	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/10/16 00:45	
Trichloroethene	ug/L	ND	5.0	11/10/16 00:45	
Trichlorofluoromethane	ug/L	ND	5.0	11/10/16 00:45	
Vinyl chloride	ug/L	ND	2.0	11/10/16 00:45	
Xylene (Total)	ug/L	ND	10.0	11/10/16 00:45	
4-Bromofluorobenzene (S)	%.	92	79-116	11/10/16 00:45	
Dibromofluoromethane (S)	%.	99	84-118	11/10/16 00:45	
Toluene-d8 (S)	%.	95	86-110	11/10/16 00:45	

LABORATORY CONTROL SAMPLE: 1667107

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	46.7	93	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	42.4	85	72-124	
1,1,2-Trichloroethane	ug/L	50	46.1	92	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	48.3	97	80-111	
1,1-Dichloroethane	ug/L	50	46.0	92	70-120	
1,1-Dichloroethene	ug/L	50	46.6	93	69-127	
1,2,4-Trichlorobenzene	ug/L	50	52.0	104	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	47.7	95	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	47.9	96	76-125	
1,2-Dichlorobenzene	ug/L	50	47.1	94	77-122	
1,2-Dichloroethane	ug/L	50	47.6	95	70-123	
1,2-Dichloropropane	ug/L	50	41.0	82	77-124	
1,3-Dichlorobenzene	ug/L	50	45.1	90	76-124	
1,4-Dichlorobenzene	ug/L	50	47.1	94	75-117	
2-Butanone (MEK)	ug/L	250	204	82	60-135	
2-Hexanone	ug/L	250	212	85	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	213	85	66-134	
Acetone	ug/L	250	220	88	47-144	
Benzene	ug/L	50	43.4	87	76-122	
Bromodichloromethane	ug/L	50	50.6	101	71-124	
Bromoform	ug/L	50	51.1	102	60-125	
Bromomethane	ug/L	50	40.9	82	23-194	
Carbon disulfide	ug/L	50	45.1	90	63-130	
Carbon tetrachloride	ug/L	50	55.1	110	73-133	
Chlorobenzene	ug/L	50	44.3	89	76-118	
Chloroethane	ug/L	50	39.4	79	50-147	
Chloroform	ug/L	50	47.3	95	70-119	
Chloromethane	ug/L	50	37.5	75	52-136	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50158595

LABORATORY CONTROL SAMPLE: 1667107

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	48.8	98	74-120	
cis-1,3-Dichloropropene	ug/L	50	45.0	90	71-134	
Cyclohexane	ug/L	50	44.8J	90	86-122	N2
Dibromochloromethane	ug/L	50	53.3	107	73-127	
Dichlorodifluoromethane	ug/L	50	59.3	119	39-166	
Ethylbenzene	ug/L	50	49.4	99	75-123	
Isopropylbenzene (Cumene)	ug/L	50	46.0	92	84-134	
Methyl acetate	ug/L	50	98.9	198	68-192	L0,N2
Methyl-tert-butyl ether	ug/L	50	36.1	72	65-131	
Methylcyclohexane	ug/L	50	47.7J	95	89-122	N2
Methylene Chloride	ug/L	50	42.5	85	66-130	
Styrene	ug/L	50	50.3	101	78-128	
Tetrachloroethene	ug/L	50	48.9	98	69-119	
Toluene	ug/L	50	43.2	86	74-122	
trans-1,2-Dichloroethene	ug/L	50	47.5	95	72-122	
trans-1,3-Dichloropropene	ug/L	50	49.7	99	66-135	
Trichloroethene	ug/L	50	43.2	86	75-123	
Trichlorofluoromethane	ug/L	50	60.6	121	58-148	
Vinyl chloride	ug/L	50	45.0	90	61-147	
Xylene (Total)	ug/L	150	141	94	75-127	
4-Bromofluorobenzene (S)	%.			96	79-116	
Dibromofluoromethane (S)	%.			100	84-118	
Toluene-d8 (S)	%.			96	86-110	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Racer-Kokomo
Pace Project No.: 50158595

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D4 Sample was diluted due to the presence of high levels of target analytes.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Racer-Kokomo

Pace Project No.: 50158595

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50158595001	TB-01 (110916)	EPA 8260	360797		
50158595002	SB-1610 (25-28)	EPA 8260	360797		
50158595003	SB-1610 (22-25)	EPA 8260	360797		
50158595004	SB-1610 (18-21)	EPA 8260	360797		
50158595005	SB-1612 (30-33)	EPA 8260	360797		
50158595006	SB-1612 (27-30)	EPA 8260	360797		
50158595007	SB-1612 (24-27)	EPA 8260	360797		
50158595008	SB-1612 (21-24)	EPA 8260	360797		
50158595009	SB-1612 (18-21)	EPA 8260	360797		
50158595010	SB-1615 (43-46)	EPA 8260	360797		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Face Analytical

Client Name: Arcadis

Project # SD158595

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other foam blocks

Thermometer 1/2 3 4 5 6 A B C D E F

Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temperature 5.0/5.0
(Initial/Corrected)

Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: MH 11.9.16

Are samples from West Virginia?	☐ Yes ☒ No	1.
Document any containers out of temp.		
Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	3.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	4.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☒ Yes ☐ No ☐ N/A	7. <u>24 hr. TAT</u>
Containers Intact:	☒ Yes ☒ No ☐ N/A	8.
Sample Labels match COC: -Includes date/time/ID/Analysis	☐ Yes ☒ No ☐ N/A	9. <u>No time, date or analysis on sample containers</u>
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐ Yes ☐ No ☒ N/A	10. (Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12. Present Absent
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	13.
Headspace Wisconsin Sulfide	☐ Yes ☐ No	14.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	15.
Trip Blank Custody Seals Present	☐ Yes ☒ No ☐ N/A	16.
Project Manager Review		
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	15.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	16.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	17.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

Project Manager Review:

[Signature]

Date: 11/9/16

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1
COC ID# 2159002

Bulk

Project # 56158095

Sample Line Item	AG1U	WGUFU	AG0UR	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	Matrix S1M/Vol (Soil/Water/Other)	pH <2	pH >9	pH >12
1																	Kit			
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Container Codes

DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1 liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGUFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFU	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

November 11, 2016

Jesse Wright
Arcadis U.S., Inc.
132 E. Washington Street
Suite 600
Indianapolis, IN 46204

RE: Project: Racer Kokomo
Pace Project No.: 50158666

Dear Jesse Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on November 10, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kelly Jones
kelly.jones@pacelabs.com
Project Manager

Enclosures

cc: Ms. Sarah Fisher, Arcadis
Mr. Matt Griles, Arcadis U.S., Inc.
Mr. Luke Martin, Arcadis
Ms. Lauren Werckenthien, Arcadis



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Racer Kokomo

Pace Project No.: 50158666

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 003971

Indiana Certification #: C-49-06

Kansas/NELAP Certification #: E-10177

Kentucky UST Certification #: 80226

Kentucky WW Certification #: 98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2016-075

Texas Certification #: T104704355-16-10

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-16-00257

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Racer Kokomo

Pace Project No.: 50158666

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50158666001	TB-02 (110916)	Water	11/09/16 14:00	11/10/16 12:43
50158666002	SB-1615 (40-43)	Water	11/09/16 15:25	11/10/16 12:43
50158666003	SB-1615 (37-40)	Water	11/09/16 15:40	11/10/16 12:43
50158666004	SB-1615 (34-37)	Water	11/09/16 16:00	11/10/16 12:43
50158666005	SB-1615 (31-34)	Water	11/09/16 16:20	11/10/16 12:43
50158666006	SB-1615 (28-31)	Water	11/09/16 16:35	11/10/16 12:43
50158666007	SB-1615 (25-28)	Water	11/09/16 16:50	11/10/16 12:43
50158666008	SB-1615 (22-25)	Water	11/09/16 17:00	11/10/16 12:43
50158666009	Piezo-SB-1612 (12-17)	Water	11/10/16 08:50	11/10/16 12:43
50158666010	Piezo-SB-1610 (11-16)	Water	11/10/16 09:35	11/10/16 12:43
50158666011	Piezo-SB-1615 (14-19)	Water	11/10/16 09:50	11/10/16 12:43
50158666012	DUP-04 (110916)	Water	11/09/16 08:00	11/10/16 12:43

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SAMPLE ANALYTE COUNT

Project: Racer Kokomo

Pace Project No.: 50158666

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50158666001	TB-02 (110916)	EPA 8260	CAP	51
50158666002	SB-1615 (40-43)	EPA 8260	CAP	51
50158666003	SB-1615 (37-40)	EPA 8260	CAP	51
50158666004	SB-1615 (34-37)	EPA 8260	CAP	51
50158666005	SB-1615 (31-34)	EPA 8260	CAP, PTH	51
50158666006	SB-1615 (28-31)	EPA 8260	CAP, PTH	51
50158666007	SB-1615 (25-28)	EPA 8260	CAP, PTH	51
50158666008	SB-1615 (22-25)	EPA 8260	CAP	51
50158666009	Piezo-SB-1612 (12-17)	EPA 8260	CAP	51
50158666010	Piezo-SB-1610 (11-16)	EPA 8260	CAP	51
50158666011	Piezo-SB-1615 (14-19)	EPA 8260	CAP	51
50158666012	DUP-04 (110916)	EPA 8260	CAP	51

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Racer Kokomo

Pace Project No.: 50158666

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158666002	SB-1615 (40-43)					
EPA 8260	cis-1,2-Dichloroethene	89.8	ug/L	5.0	11/11/16 02:06	
EPA 8260	trans-1,2-Dichloroethene	18.7	ug/L	5.0	11/11/16 02:06	
EPA 8260	Trichloroethene	151	ug/L	5.0	11/11/16 02:06	
EPA 8260	Vinyl chloride	0.16J	ug/L	2.0	11/11/16 02:06	
50158666003	SB-1615 (37-40)					
EPA 8260	cis-1,2-Dichloroethene	68.1	ug/L	5.0	11/11/16 03:15	
EPA 8260	trans-1,2-Dichloroethene	11.7	ug/L	5.0	11/11/16 03:15	
EPA 8260	Toluene	0.20J	ug/L	5.0	11/11/16 03:15	
EPA 8260	Trichloroethene	133	ug/L	5.0	11/11/16 03:15	
EPA 8260	Vinyl chloride	0.21J	ug/L	2.0	11/11/16 03:15	
50158666004	SB-1615 (34-37)					
EPA 8260	cis-1,2-Dichloroethene	67.1	ug/L	5.0	11/11/16 03:49	
EPA 8260	trans-1,2-Dichloroethene	17.3	ug/L	5.0	11/11/16 03:49	
EPA 8260	Trichloroethene	293	ug/L	5.0	11/11/16 03:49	
50158666005	SB-1615 (31-34)					
EPA 8260	cis-1,2-Dichloroethene	92.9	ug/L	5.0	11/11/16 04:24	
EPA 8260	trans-1,2-Dichloroethene	25.1	ug/L	5.0	11/11/16 04:24	
EPA 8260	Toluene	0.15J	ug/L	5.0	11/11/16 04:24	
EPA 8260	Trichloroethene	542	ug/L	50.0	11/11/16 08:59	
EPA 8260	Vinyl chloride	0.17J	ug/L	2.0	11/11/16 04:24	
50158666006	SB-1615 (28-31)					
EPA 8260	cis-1,2-Dichloroethene	140	ug/L	5.0	11/11/16 04:58	
EPA 8260	trans-1,2-Dichloroethene	25.0	ug/L	5.0	11/11/16 04:58	
EPA 8260	Toluene	0.19J	ug/L	5.0	11/11/16 04:58	
EPA 8260	Trichloroethene	861	ug/L	50.0	11/11/16 09:27	
50158666007	SB-1615 (25-28)					
EPA 8260	1,1-Dichloroethene	0.27J	ug/L	5.0	11/11/16 05:32	
EPA 8260	cis-1,2-Dichloroethene	229	ug/L	5.0	11/11/16 05:32	
EPA 8260	trans-1,2-Dichloroethene	30.6	ug/L	5.0	11/11/16 05:32	
EPA 8260	Toluene	0.26J	ug/L	5.0	11/11/16 05:32	
EPA 8260	Trichloroethene	2360	ug/L	500	11/11/16 09:54	
50158666008	SB-1615 (22-25)					
EPA 8260	cis-1,2-Dichloroethene	293	ug/L	50.0	11/11/16 06:06	
EPA 8260	trans-1,2-Dichloroethene	35.6J	ug/L	50.0	11/11/16 06:06	
EPA 8260	Trichloroethene	6890	ug/L	250	11/11/16 06:41	
50158666009	Piezo-SB-1612 (12-17)					
EPA 8260	Trichloroethene	0.24J	ug/L	5.0	11/11/16 07:15	
50158666010	Piezo-SB-1610 (11-16)					
EPA 8260	Acetone	9.0J	ug/L	100	11/11/16 07:50	
50158666011	Piezo-SB-1615 (14-19)					
EPA 8260	Acetone	3.5J	ug/L	100	11/11/16 08:24	

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SUMMARY OF DETECTION

Project: Racer Kokomo

Pace Project No.: 50158666

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158666012	DUP-04 (110916)					
EPA 8260	cis-1,2-Dichloroethene	77.4	ug/L	50.0	11/11/16 08:58	
EPA 8260	trans-1,2-Dichloroethene	19.6J	ug/L	50.0	11/11/16 08:58	
EPA 8260	Methylene Chloride	23.8J	ug/L	50.0	11/11/16 08:58	B
EPA 8260	Trichloroethene	442	ug/L	50.0	11/11/16 08:58	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: TB-02 (110916)		Lab ID: 50158666001	Collected: 11/09/16 14:00	Received: 11/10/16 12:43	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 01:32	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 01:32	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 01:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 01:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 01:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 01:32	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 01:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 01:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 01:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 01:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 01:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 01:32	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 01:32	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 01:32	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 01:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 01:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 01:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 01:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 01:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 01:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 01:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 01:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 01:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/16 01:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/16 01:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 01:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 01:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 01:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 01:32	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 01:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 01:32	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 01:32	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 01:32	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 01:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 01:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 01:32	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 01:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 01:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 01:32	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/16 01:32	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 01:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 01:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 01:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/11/16 01:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 01:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 01:32	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/16 01:32	75-01-4	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: TB-02 (110916)		Lab ID: 50158666001		Collected: 11/09/16 14:00		Received: 11/10/16 12:43		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 01:32	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		95	%.	84-118	1		11/11/16 01:32	1868-53-7	
4-Bromofluorobenzene (S)		91	%.	79-116	1		11/11/16 01:32	460-00-4	
Toluene-d8 (S)		97	%.	86-110	1		11/11/16 01:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: SB-1615 (40-43)		Lab ID: 50158666002	Collected: 11/09/16 15:25	Received: 11/10/16 12:43	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 02:06	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 02:06	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 02:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 02:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 02:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 02:06	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 02:06	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 02:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 02:06	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 02:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 02:06	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 02:06	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 02:06	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 02:06	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 02:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 02:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 02:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 02:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 02:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 02:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 02:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 02:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 02:06	75-35-4	
cis-1,2-Dichloroethene	89.8	ug/L	5.0	1		11/11/16 02:06	156-59-2	
trans-1,2-Dichloroethene	18.7	ug/L	5.0	1		11/11/16 02:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 02:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 02:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 02:06	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 02:06	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 02:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 02:06	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 02:06	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 02:06	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 02:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 02:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 02:06	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 02:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 02:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 02:06	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/16 02:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 02:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 02:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 02:06	79-00-5	
Trichloroethene	151	ug/L	5.0	1		11/11/16 02:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 02:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 02:06	76-13-1	
Vinyl chloride	0.16J	ug/L	2.0	1		11/11/16 02:06	75-01-4	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: SB-1615 (40-43)		Lab ID: 50158666002		Collected: 11/09/16 15:25		Received: 11/10/16 12:43		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 02:06	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		99	%.	84-118	1		11/11/16 02:06	1868-53-7	
4-Bromofluorobenzene (S)		92	%.	79-116	1		11/11/16 02:06	460-00-4	
Toluene-d8 (S)		97	%.	86-110	1		11/11/16 02:06	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: SB-1615 (37-40)		Lab ID: 50158666003	Collected: 11/09/16 15:40	Received: 11/10/16 12:43	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 03:15	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 03:15	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 03:15	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 03:15	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 03:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 03:15	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 03:15	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 03:15	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 03:15	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 03:15	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 03:15	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 03:15	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 03:15	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 03:15	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 03:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 03:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 03:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 03:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 03:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 03:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 03:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 03:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 03:15	75-35-4	
cis-1,2-Dichloroethene	68.1	ug/L	5.0	1		11/11/16 03:15	156-59-2	
trans-1,2-Dichloroethene	11.7	ug/L	5.0	1		11/11/16 03:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 03:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 03:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 03:15	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 03:15	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 03:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 03:15	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 03:15	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 03:15	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 03:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 03:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 03:15	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 03:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 03:15	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 03:15	127-18-4	
Toluene	0.20J	ug/L	5.0	1		11/11/16 03:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 03:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 03:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 03:15	79-00-5	
Trichloroethene	133	ug/L	5.0	1		11/11/16 03:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 03:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 03:15	76-13-1	
Vinyl chloride	0.21J	ug/L	2.0	1		11/11/16 03:15	75-01-4	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: SB-1615 (37-40)		Lab ID: 50158666003		Collected: 11/09/16 15:40		Received: 11/10/16 12:43		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 03:15	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		96	%.	84-118	1		11/11/16 03:15	1868-53-7	
4-Bromofluorobenzene (S)		95	%.	79-116	1		11/11/16 03:15	460-00-4	
Toluene-d8 (S)		98	%.	86-110	1		11/11/16 03:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: SB-1615 (34-37)		Lab ID: 50158666004	Collected: 11/09/16 16:00	Received: 11/10/16 12:43	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 03:49	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 03:49	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 03:49	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 03:49	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 03:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 03:49	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 03:49	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 03:49	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 03:49	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 03:49	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 03:49	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 03:49	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 03:49	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 03:49	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 03:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 03:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 03:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 03:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 03:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 03:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 03:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 03:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 03:49	75-35-4	
cis-1,2-Dichloroethene	67.1	ug/L	5.0	1		11/11/16 03:49	156-59-2	
trans-1,2-Dichloroethene	17.3	ug/L	5.0	1		11/11/16 03:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 03:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 03:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 03:49	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 03:49	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 03:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 03:49	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 03:49	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 03:49	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 03:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 03:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 03:49	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 03:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 03:49	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 03:49	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/16 03:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 03:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 03:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 03:49	79-00-5	
Trichloroethene	293	ug/L	5.0	1		11/11/16 03:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 03:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 03:49	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/16 03:49	75-01-4	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: SB-1615 (34-37)		Lab ID: 50158666004		Collected: 11/09/16 16:00		Received: 11/10/16 12:43		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 03:49	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		99	%.	84-118	1		11/11/16 03:49	1868-53-7	
4-Bromofluorobenzene (S)		92	%.	79-116	1		11/11/16 03:49	460-00-4	
Toluene-d8 (S)		94	%.	86-110	1		11/11/16 03:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: SB-1615 (31-34)		Lab ID: 50158666005	Collected: 11/09/16 16:20	Received: 11/10/16 12:43	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 04:24	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 04:24	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 04:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 04:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 04:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 04:24	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 04:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 04:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 04:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 04:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 04:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 04:24	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 04:24	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 04:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 04:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 04:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 04:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 04:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 04:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 04:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 04:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 04:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 04:24	75-35-4	
cis-1,2-Dichloroethene	92.9	ug/L	5.0	1		11/11/16 04:24	156-59-2	
trans-1,2-Dichloroethene	25.1	ug/L	5.0	1		11/11/16 04:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 04:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 04:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 04:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 04:24	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 04:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 04:24	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 04:24	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 04:24	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 04:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 04:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 04:24	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 04:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 04:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 04:24	127-18-4	
Toluene	0.15J	ug/L	5.0	1		11/11/16 04:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 04:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 04:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 04:24	79-00-5	
Trichloroethene	542	ug/L	50.0	10		11/11/16 08:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 04:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 04:24	76-13-1	
Vinyl chloride	0.17J	ug/L	2.0	1		11/11/16 04:24	75-01-4	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: SB-1615 (31-34)		Lab ID: 50158666005		Collected: 11/09/16 16:20		Received: 11/10/16 12:43		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 04:24	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	1		11/11/16 04:24	1868-53-7	
4-Bromofluorobenzene (S)		92	%.	79-116	1		11/11/16 04:24	460-00-4	
Toluene-d8 (S)		95	%.	86-110	1		11/11/16 04:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: SB-1615 (28-31)		Lab ID: 50158666006	Collected: 11/09/16 16:35	Received: 11/10/16 12:43	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 04:58	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 04:58	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 04:58	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 04:58	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 04:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 04:58	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 04:58	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 04:58	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 04:58	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 04:58	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 04:58	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 04:58	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 04:58	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 04:58	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 04:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 04:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 04:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 04:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 04:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 04:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 04:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 04:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 04:58	75-35-4	
cis-1,2-Dichloroethene	140	ug/L	5.0	1		11/11/16 04:58	156-59-2	
trans-1,2-Dichloroethene	25.0	ug/L	5.0	1		11/11/16 04:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 04:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 04:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 04:58	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 04:58	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 04:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 04:58	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 04:58	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 04:58	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 04:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 04:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 04:58	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 04:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 04:58	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 04:58	127-18-4	
Toluene	0.19J	ug/L	5.0	1		11/11/16 04:58	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 04:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 04:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 04:58	79-00-5	
Trichloroethene	861	ug/L	50.0	10		11/11/16 09:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 04:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 04:58	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/16 04:58	75-01-4	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: SB-1615 (28-31)		Lab ID: 50158666006		Collected: 11/09/16 16:35		Received: 11/10/16 12:43		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 04:58	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		99	%.	84-118	1		11/11/16 04:58	1868-53-7	
4-Bromofluorobenzene (S)		94	%.	79-116	1		11/11/16 04:58	460-00-4	
Toluene-d8 (S)		95	%.	86-110	1		11/11/16 04:58	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: SB-1615 (25-28)		Lab ID: 50158666007	Collected: 11/09/16 16:50	Received: 11/10/16 12:43	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 05:32	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 05:32	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 05:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 05:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 05:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 05:32	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 05:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 05:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 05:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 05:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 05:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 05:32	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 05:32	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 05:32	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 05:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 05:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 05:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 05:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 05:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 05:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 05:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 05:32	107-06-2	
1,1-Dichloroethene	0.27J	ug/L	5.0	1		11/11/16 05:32	75-35-4	
cis-1,2-Dichloroethene	229	ug/L	5.0	1		11/11/16 05:32	156-59-2	
trans-1,2-Dichloroethene	30.6	ug/L	5.0	1		11/11/16 05:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 05:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 05:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 05:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 05:32	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 05:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 05:32	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 05:32	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 05:32	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 05:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 05:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 05:32	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 05:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 05:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 05:32	127-18-4	
Toluene	0.26J	ug/L	5.0	1		11/11/16 05:32	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 05:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 05:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 05:32	79-00-5	
Trichloroethene	2360	ug/L	500	100		11/11/16 09:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 05:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 05:32	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/16 05:32	75-01-4	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: SB-1615 (25-28)		Lab ID: 50158666007		Collected: 11/09/16 16:50		Received: 11/10/16 12:43		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 05:32	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		98	%.	84-118	1		11/11/16 05:32	1868-53-7	
4-Bromofluorobenzene (S)		90	%.	79-116	1		11/11/16 05:32	460-00-4	
Toluene-d8 (S)		97	%.	86-110	1		11/11/16 05:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: SB-1615 (22-25)		Lab ID: 50158666008		Collected: 11/09/16 17:00		Received: 11/10/16 12:43		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV	Analytical Method: EPA 8260								
Acetone	ND	ug/L	1000	10		11/11/16 06:06	67-64-1		
Benzene	ND	ug/L	50.0	10		11/11/16 06:06	71-43-2		
Bromodichloromethane	ND	ug/L	50.0	10		11/11/16 06:06	75-27-4		
Bromoform	ND	ug/L	50.0	10		11/11/16 06:06	75-25-2		
Bromomethane	ND	ug/L	50.0	10		11/11/16 06:06	74-83-9		
2-Butanone (MEK)	ND	ug/L	250	10		11/11/16 06:06	78-93-3		
Carbon disulfide	ND	ug/L	100	10		11/11/16 06:06	75-15-0		
Carbon tetrachloride	ND	ug/L	50.0	10		11/11/16 06:06	56-23-5		
Chlorobenzene	ND	ug/L	50.0	10		11/11/16 06:06	108-90-7		
Chloroethane	ND	ug/L	50.0	10		11/11/16 06:06	75-00-3		
Chloroform	ND	ug/L	50.0	10		11/11/16 06:06	67-66-3		
Chloromethane	ND	ug/L	50.0	10		11/11/16 06:06	74-87-3		
Cyclohexane	ND	ug/L	1000	10		11/11/16 06:06	110-82-7	N2	
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		11/11/16 06:06	96-12-8		
Dibromochloromethane	ND	ug/L	50.0	10		11/11/16 06:06	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		11/11/16 06:06	106-93-4		
1,2-Dichlorobenzene	ND	ug/L	50.0	10		11/11/16 06:06	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	50.0	10		11/11/16 06:06	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	50.0	10		11/11/16 06:06	106-46-7		
Dichlorodifluoromethane	ND	ug/L	50.0	10		11/11/16 06:06	75-71-8		
1,1-Dichloroethane	ND	ug/L	50.0	10		11/11/16 06:06	75-34-3		
1,2-Dichloroethane	ND	ug/L	50.0	10		11/11/16 06:06	107-06-2		
1,1-Dichloroethene	ND	ug/L	50.0	10		11/11/16 06:06	75-35-4		
cis-1,2-Dichloroethene	293	ug/L	50.0	10		11/11/16 06:06	156-59-2		
trans-1,2-Dichloroethene	35.6J	ug/L	50.0	10		11/11/16 06:06	156-60-5		
1,2-Dichloropropane	ND	ug/L	50.0	10		11/11/16 06:06	78-87-5		
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		11/11/16 06:06	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		11/11/16 06:06	10061-02-6		
Ethylbenzene	ND	ug/L	50.0	10		11/11/16 06:06	100-41-4		
2-Hexanone	ND	ug/L	250	10		11/11/16 06:06	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		11/11/16 06:06	98-82-8		
Methyl acetate	ND	ug/L	500	10		11/11/16 06:06	79-20-9	L3,N2	
Methylcyclohexane	ND	ug/L	500	10		11/11/16 06:06	108-87-2	N2	
Methylene Chloride	ND	ug/L	50.0	10		11/11/16 06:06	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		11/11/16 06:06	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	40.0	10		11/11/16 06:06	1634-04-4		
Styrene	ND	ug/L	50.0	10		11/11/16 06:06	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		11/11/16 06:06	79-34-5		
Tetrachloroethene	ND	ug/L	50.0	10		11/11/16 06:06	127-18-4		
Toluene	ND	ug/L	50.0	10		11/11/16 06:06	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		11/11/16 06:06	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	50.0	10		11/11/16 06:06	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	50.0	10		11/11/16 06:06	79-00-5		
Trichloroethene	6890	ug/L	250	50		11/11/16 06:41	79-01-6		
Trichlorofluoromethane	ND	ug/L	50.0	10		11/11/16 06:06	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		11/11/16 06:06	76-13-1		
Vinyl chloride	ND	ug/L	20.0	10		11/11/16 06:06	75-01-4		

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: SB-1615 (22-25)		Lab ID: 50158666008		Collected: 11/09/16 17:00		Received: 11/10/16 12:43		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	100	10		11/11/16 06:06	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		98	%.	84-118	10		11/11/16 06:06	1868-53-7	
4-Bromofluorobenzene (S)		92	%.	79-116	10		11/11/16 06:06	460-00-4	D4
Toluene-d8 (S)		94	%.	86-110	10		11/11/16 06:06	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: Piezo-SB-1612 (12-17)		Lab ID: 50158666009	Collected: 11/10/16 08:50	Received: 11/10/16 12:43	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 07:15	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 07:15	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 07:15	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 07:15	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 07:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 07:15	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 07:15	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 07:15	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 07:15	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 07:15	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 07:15	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 07:15	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 07:15	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 07:15	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 07:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 07:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 07:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 07:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 07:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 07:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 07:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 07:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 07:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/16 07:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/16 07:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 07:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 07:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 07:15	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 07:15	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 07:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 07:15	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 07:15	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 07:15	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 07:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 07:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 07:15	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 07:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 07:15	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 07:15	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/16 07:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 07:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 07:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 07:15	79-00-5	
Trichloroethene	0.24J	ug/L	5.0	1		11/11/16 07:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 07:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 07:15	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/16 07:15	75-01-4	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: Piezo-SB-1612 (12-17)		Lab ID: 50158666009		Collected: 11/10/16 08:50		Received: 11/10/16 12:43		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 07:15	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	84-118	1		11/11/16 07:15	1868-53-7	
4-Bromofluorobenzene (S)		96	%.	79-116	1		11/11/16 07:15	460-00-4	
Toluene-d8 (S)		97	%.	86-110	1		11/11/16 07:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: Piezo-SB-1610 (11-16)		Lab ID: 50158666010	Collected: 11/10/16 09:35	Received: 11/10/16 12:43	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	9.0J	ug/L	100	1		11/11/16 07:50	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 07:50	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 07:50	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 07:50	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 07:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 07:50	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 07:50	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 07:50	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 07:50	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 07:50	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 07:50	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 07:50	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 07:50	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 07:50	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 07:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 07:50	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 07:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 07:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 07:50	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 07:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 07:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 07:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 07:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/16 07:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/16 07:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 07:50	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 07:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 07:50	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 07:50	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 07:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 07:50	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 07:50	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 07:50	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 07:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 07:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 07:50	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 07:50	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 07:50	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 07:50	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/16 07:50	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 07:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 07:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 07:50	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/11/16 07:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 07:50	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 07:50	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/16 07:50	75-01-4	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: Piezo-SB-1610 (11-16)		Lab ID: 50158666010		Collected: 11/10/16 09:35		Received: 11/10/16 12:43		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 07:50	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		102	%.	84-118	1		11/11/16 07:50	1868-53-7	
4-Bromofluorobenzene (S)		95	%.	79-116	1		11/11/16 07:50	460-00-4	
Toluene-d8 (S)		98	%.	86-110	1		11/11/16 07:50	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: Piezo-SB-1615 (14-19)		Lab ID: 50158666011	Collected: 11/10/16 09:50	Received: 11/10/16 12:43	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	3.5J	ug/L	100	1		11/11/16 08:24	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 08:24	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 08:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 08:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 08:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 08:24	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 08:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 08:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 08:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 08:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 08:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 08:24	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 08:24	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 08:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 08:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 08:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 08:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 08:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 08:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 08:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 08:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 08:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 08:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/16 08:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/16 08:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 08:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 08:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 08:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 08:24	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 08:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 08:24	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 08:24	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 08:24	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 08:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 08:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 08:24	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 08:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 08:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 08:24	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/16 08:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 08:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 08:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 08:24	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/11/16 08:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 08:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 08:24	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/11/16 08:24	75-01-4	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: Piezo-SB-1615 (14-19)		Lab ID: 50158666011		Collected: 11/10/16 09:50		Received: 11/10/16 12:43		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 08:24	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		100	%.	84-118	1		11/11/16 08:24	1868-53-7	
4-Bromofluorobenzene (S)		92	%.	79-116	1		11/11/16 08:24	460-00-4	
Toluene-d8 (S)		93	%.	86-110	1		11/11/16 08:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: DUP-04 (110916)		Lab ID: 50158666012	Collected: 11/09/16 08:00	Received: 11/10/16 12:43	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	1000	10		11/11/16 08:58	67-64-1	
Benzene	ND	ug/L	50.0	10		11/11/16 08:58	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		11/11/16 08:58	75-27-4	
Bromoform	ND	ug/L	50.0	10		11/11/16 08:58	75-25-2	
Bromomethane	ND	ug/L	50.0	10		11/11/16 08:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		11/11/16 08:58	78-93-3	
Carbon disulfide	ND	ug/L	100	10		11/11/16 08:58	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		11/11/16 08:58	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		11/11/16 08:58	108-90-7	
Chloroethane	ND	ug/L	50.0	10		11/11/16 08:58	75-00-3	
Chloroform	ND	ug/L	50.0	10		11/11/16 08:58	67-66-3	
Chloromethane	ND	ug/L	50.0	10		11/11/16 08:58	74-87-3	
Cyclohexane	ND	ug/L	1000	10		11/11/16 08:58	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		11/11/16 08:58	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		11/11/16 08:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		11/11/16 08:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		11/11/16 08:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		11/11/16 08:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		11/11/16 08:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		11/11/16 08:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		11/11/16 08:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		11/11/16 08:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		11/11/16 08:58	75-35-4	
cis-1,2-Dichloroethene	77.4	ug/L	50.0	10		11/11/16 08:58	156-59-2	
trans-1,2-Dichloroethene	19.6J	ug/L	50.0	10		11/11/16 08:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		11/11/16 08:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		11/11/16 08:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		11/11/16 08:58	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		11/11/16 08:58	100-41-4	
2-Hexanone	ND	ug/L	250	10		11/11/16 08:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		11/11/16 08:58	98-82-8	
Methyl acetate	ND	ug/L	500	10		11/11/16 08:58	79-20-9	L3,N2
Methylcyclohexane	ND	ug/L	500	10		11/11/16 08:58	108-87-2	N2
Methylene Chloride	23.8J	ug/L	50.0	10		11/11/16 08:58	75-09-2	B
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		11/11/16 08:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		11/11/16 08:58	1634-04-4	
Styrene	ND	ug/L	50.0	10		11/11/16 08:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		11/11/16 08:58	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		11/11/16 08:58	127-18-4	
Toluene	ND	ug/L	50.0	10		11/11/16 08:58	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		11/11/16 08:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		11/11/16 08:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		11/11/16 08:58	79-00-5	
Trichloroethene	442	ug/L	50.0	10		11/11/16 08:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		11/11/16 08:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		11/11/16 08:58	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		11/11/16 08:58	75-01-4	

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ANALYTICAL RESULTS

Project: Racer Kokomo

Pace Project No.: 50158666

Sample: DUP-04 (110916)		Lab ID: 50158666012		Collected: 11/09/16 08:00		Received: 11/10/16 12:43		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	100	10		11/11/16 08:58	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		99	%.	84-118	10		11/11/16 08:58	1868-53-7	D4
4-Bromofluorobenzene (S)		89	%.	79-116	10		11/11/16 08:58	460-00-4	
Toluene-d8 (S)		96	%.	86-110	10		11/11/16 08:58	2037-26-5	

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QUALITY CONTROL DATA

Project: Racer Kokomo

Pace Project No.: 50158666

QC Batch:	360994	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	50158666001, 50158666002, 50158666003, 50158666004, 50158666005, 50158666006, 50158666007, 50158666008, 50158666009, 50158666010, 50158666011, 50158666012		

METHOD BLANK:	1668151	Matrix:	Water
Associated Lab Samples:	50158666001, 50158666002, 50158666003, 50158666004, 50158666005, 50158666006, 50158666007, 50158666008, 50158666009, 50158666010, 50158666011, 50158666012		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/11/16 00:57	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/11/16 00:57	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/11/16 00:57	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/11/16 00:57	
1,1-Dichloroethane	ug/L	ND	5.0	11/11/16 00:57	
1,1-Dichloroethene	ug/L	ND	5.0	11/11/16 00:57	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/11/16 00:57	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/11/16 00:57	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/11/16 00:57	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/11/16 00:57	
1,2-Dichloroethane	ug/L	ND	5.0	11/11/16 00:57	
1,2-Dichloropropane	ug/L	ND	5.0	11/11/16 00:57	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/11/16 00:57	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/11/16 00:57	
2-Butanone (MEK)	ug/L	ND	25.0	11/11/16 00:57	
2-Hexanone	ug/L	ND	25.0	11/11/16 00:57	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/11/16 00:57	
Acetone	ug/L	ND	100	11/11/16 00:57	
Benzene	ug/L	ND	5.0	11/11/16 00:57	
Bromodichloromethane	ug/L	ND	5.0	11/11/16 00:57	
Bromoform	ug/L	ND	5.0	11/11/16 00:57	
Bromomethane	ug/L	ND	5.0	11/11/16 00:57	
Carbon disulfide	ug/L	ND	10.0	11/11/16 00:57	
Carbon tetrachloride	ug/L	ND	5.0	11/11/16 00:57	
Chlorobenzene	ug/L	ND	5.0	11/11/16 00:57	
Chloroethane	ug/L	ND	5.0	11/11/16 00:57	
Chloroform	ug/L	ND	5.0	11/11/16 00:57	
Chloromethane	ug/L	ND	5.0	11/11/16 00:57	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/11/16 00:57	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/11/16 00:57	
Cyclohexane	ug/L	ND	100	11/11/16 00:57	N2
Dibromochloromethane	ug/L	ND	5.0	11/11/16 00:57	
Dichlorodifluoromethane	ug/L	ND	5.0	11/11/16 00:57	
Ethylbenzene	ug/L	ND	5.0	11/11/16 00:57	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/11/16 00:57	
Methyl acetate	ug/L	ND	50.0	11/11/16 00:57	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/11/16 00:57	
Methylcyclohexane	ug/L	ND	50.0	11/11/16 00:57	N2
Methylene Chloride	ug/L	0.79J	5.0	11/11/16 00:57	
Styrene	ug/L	ND	5.0	11/11/16 00:57	

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QUALITY CONTROL DATA

Project: Racer Kokomo

Pace Project No.: 50158666

METHOD BLANK: 1668151

Matrix: Water

Associated Lab Samples: 50158666001, 50158666002, 50158666003, 50158666004, 50158666005, 50158666006, 50158666007, 50158666008, 50158666009, 50158666010, 50158666011, 50158666012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	5.0	11/11/16 00:57	
Toluene	ug/L	ND	5.0	11/11/16 00:57	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/11/16 00:57	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/11/16 00:57	
Trichloroethene	ug/L	ND	5.0	11/11/16 00:57	
Trichlorofluoromethane	ug/L	ND	5.0	11/11/16 00:57	
Vinyl chloride	ug/L	ND	2.0	11/11/16 00:57	
Xylene (Total)	ug/L	ND	10.0	11/11/16 00:57	
4-Bromofluorobenzene (S)	%	95	79-116	11/11/16 00:57	
Dibromofluoromethane (S)	%	95	84-118	11/11/16 00:57	
Toluene-d8 (S)	%	99	86-110	11/11/16 00:57	

LABORATORY CONTROL SAMPLE: 1668152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.1	104	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	43.9	88	72-124	
1,1,2-Trichloroethane	ug/L	50	48.1	96	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	51.6	103	80-111	
1,1-Dichloroethane	ug/L	50	49.1	98	70-120	
1,1-Dichloroethene	ug/L	50	51.2	102	69-127	
1,2,4-Trichlorobenzene	ug/L	50	56.2	112	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	51.3	103	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	49.3	99	76-125	
1,2-Dichlorobenzene	ug/L	50	49.2	98	77-122	
1,2-Dichloroethane	ug/L	50	49.7	99	70-123	
1,2-Dichloropropane	ug/L	50	43.1	86	77-124	
1,3-Dichlorobenzene	ug/L	50	47.7	95	76-124	
1,4-Dichlorobenzene	ug/L	50	48.3	97	75-117	
2-Butanone (MEK)	ug/L	250	210	84	60-135	
2-Hexanone	ug/L	250	213	85	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	211	84	66-134	
Acetone	ug/L	250	221	88	47-144	
Benzene	ug/L	50	45.5	91	76-122	
Bromodichloromethane	ug/L	50	55.4	111	71-124	
Bromoform	ug/L	50	52.8	106	60-125	
Bromomethane	ug/L	50	50.6	101	23-194	
Carbon disulfide	ug/L	50	48.0	96	63-130	
Carbon tetrachloride	ug/L	50	60.7	121	73-133	
Chlorobenzene	ug/L	50	46.3	93	76-118	
Chloroethane	ug/L	50	41.8	84	50-147	
Chloroform	ug/L	50	50.5	101	70-119	
Chloromethane	ug/L	50	38.9	78	52-136	

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QUALITY CONTROL DATA

Project: Racer Kokomo

Pace Project No.: 50158666

LABORATORY CONTROL SAMPLE: 1668152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	52.2	104	74-120	
cis-1,3-Dichloropropene	ug/L	50	44.0	88	71-134	
Cyclohexane	ug/L	50	48.3J	97	86-122	N2
Dibromochloromethane	ug/L	50	55.3	111	73-127	
Dichlorodifluoromethane	ug/L	50	61.4	123	39-166	
Ethylbenzene	ug/L	50	49.8	100	75-123	
Isopropylbenzene (Cumene)	ug/L	50	49.1	98	84-134	
Methyl acetate	ug/L	50	101	202	68-192	L0,N2
Methyl-tert-butyl ether	ug/L	50	45.4	91	65-131	
Methylcyclohexane	ug/L	50	49.1J	98	89-122	N2
Methylene Chloride	ug/L	50	44.2	88	66-130	
Styrene	ug/L	50	50.3	101	78-128	
Tetrachloroethene	ug/L	50	51.4	103	69-119	
Toluene	ug/L	50	46.0	92	74-122	
trans-1,2-Dichloroethene	ug/L	50	53.0	106	72-122	
trans-1,3-Dichloropropene	ug/L	50	48.3	97	66-135	
Trichloroethene	ug/L	50	47.5	95	75-123	
Trichlorofluoromethane	ug/L	50	61.8	124	58-148	
Vinyl chloride	ug/L	50	47.9	96	61-147	
Xylene (Total)	ug/L	150	143	95	75-127	
4-Bromofluorobenzene (S)	%			95	79-116	
Dibromofluoromethane (S)	%			105	84-118	
Toluene-d8 (S)	%			94	86-110	

MATRIX SPIKE SAMPLE: 1668153

Parameter	Units	50158666002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	41.3	83	51-140	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	33.4	67	49-138	
1,1,2-Trichloroethane	ug/L	ND	50	38.7	77	51-138	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	43.9	88	59-124	
1,1-Dichloroethane	ug/L	ND	50	38.5	77	48-137	
1,1-Dichloroethene	ug/L	ND	50	42.3	85	51-144	
1,2,4-Trichlorobenzene	ug/L	ND	50	38.3	77	27-134	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	39.4	79	37-127	
1,2-Dibromoethane (EDB)	ug/L	ND	50	38.3	77	52-134	
1,2-Dichlorobenzene	ug/L	ND	50	38.7	77	38-138	
1,2-Dichloroethane	ug/L	ND	50	40.3	81	44-144	
1,2-Dichloropropane	ug/L	ND	50	35.0	70	56-138	
1,3-Dichlorobenzene	ug/L	ND	50	36.0	72	36-139	
1,4-Dichlorobenzene	ug/L	ND	50	35.6	71	34-134	
2-Butanone (MEK)	ug/L	ND	250	156	62	44-142	
2-Hexanone	ug/L	ND	250	168	67	43-150	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	160	64	46-143	
Acetone	ug/L	ND	250	183	73	33-150	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Racer Kokomo

Pace Project No.: 50158666

MATRIX SPIKE SAMPLE:		1668153					
Parameter	Units	50158666002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	ND	50	38.5	77	51-140	
Bromodichloromethane	ug/L	ND	50	42.5	85	46-137	
Bromoform	ug/L	ND	50	41.5	83	36-127	
Bromomethane	ug/L	ND	50	45.7	91	10-188	
Carbon disulfide	ug/L	ND	50	40.5	81	35-148	
Carbon tetrachloride	ug/L	ND	50	50.3	101	45-151	
Chlorobenzene	ug/L	ND	50	37.2	74	45-138	
Chloroethane	ug/L	ND	50	32.5	65	33-164	
Chloroform	ug/L	ND	50	40.6	81	50-135	
Chloromethane	ug/L	ND	50	33.1	66	38-146	
cis-1,2-Dichloroethene	ug/L	89.8	50	136	93	43-144	
cis-1,3-Dichloropropene	ug/L	ND	50	35.7	71	42-136	
Cyclohexane	ug/L	ND	50	39.8J	80	67-139	N2
Dibromochloromethane	ug/L	ND	50	43.7	87	45-136	
Dichlorodifluoromethane	ug/L	ND	50	51.9	104	29-174	
Ethylbenzene	ug/L	ND	50	40.6	81	36-146	
Isopropylbenzene (Cumene)	ug/L	ND	50	38.2	76	43-159	
Methyl acetate	ug/L	ND	50	72.1	144	33-183	N2
Methyl-tert-butyl ether	ug/L	ND	50	33.5	67	43-146	
Methylcyclohexane	ug/L	ND	50	39.1J	78	60-140	N2
Methylene Chloride	ug/L	ND	50	35.5	71	48-140	
Styrene	ug/L	ND	50	40.1	80	31-148	
Tetrachloroethene	ug/L	ND	50	40.0	80	38-139	
Toluene	ug/L	ND	50	37.7	75	44-140	
trans-1,2-Dichloroethene	ug/L	18.7	50	62.5	88	50-139	
trans-1,3-Dichloropropene	ug/L	ND	50	37.8	76	37-138	
Trichloroethene	ug/L	151	50	206	109	44-146	
Trichlorofluoromethane	ug/L	ND	50	54.6	109	41-164	
Vinyl chloride	ug/L	0.16J	50	40.8	81	43-166	
Xylene (Total)	ug/L	ND	150	114	76	35-146	
4-Bromofluorobenzene (S)	%.				93	79-116	
Dibromofluoromethane (S)	%.				107	84-118	
Toluene-d8 (S)	%.				96	86-110	

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QUALIFIERS

Project: Racer Kokomo
Pace Project No.: 50158666

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D4 Sample was diluted due to the presence of high levels of target analytes.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Racer Kokomo

Pace Project No.: 50158666

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50158666001	TB-02 (110916)	EPA 8260	360994		
50158666002	SB-1615 (40-43)	EPA 8260	360994		
50158666003	SB-1615 (37-40)	EPA 8260	360994		
50158666004	SB-1615 (34-37)	EPA 8260	360994		
50158666005	SB-1615 (31-34)	EPA 8260	360994		
50158666006	SB-1615 (28-31)	EPA 8260	360994		
50158666007	SB-1615 (25-28)	EPA 8260	360994		
50158666008	SB-1615 (22-25)	EPA 8260	360994		
50158666009	Piezo-SB-1612 (12-17)	EPA 8260	360994		
50158666010	Piezo-SB-1610 (11-16)	EPA 8260	360994		
50158666011	Piezo-SB-1615 (14-19)	EPA 8260	360994		
50158666012	DUP-04 (110916)	EPA 8260	360994		

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

ORIGINAL

37 of 39

PRINT Name of SAMPLER: <i>Baker Martin</i>	DATE Signed (MM/DD/YY): <i>11/17/16</i>	Temp In °C	Received on Ice (Y/N)	Coolbox Sealed (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER: 		SAMPLER NAME AND SIGNATURE			

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

***Important Note:** By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis

Project # 50158666

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer 1 2 3 4 5 6 A B C D E F

Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 3.0 - 3.0
(Initial/Corrected)

Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 11-10-12 LE

Are samples from West Virginia?	☐ Yes ☒ No	1.
Document any containers out of temp.		
Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	3.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	4.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☒ Yes ☐ No ☐ N/A	7.
Containers Intact:	☒ Yes ☐ No ☐ N/A	8.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	9.
-Includes date/time/ID/Analysis		
All containers needing acid/base pres. have been checked?	☐ Yes ☐ No ☒ N/A	10
exceptions: VOA, coliform, TOC, O&G		
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12. Present Absent
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	13
Headspace Wisconsin Sulfide	☐ Yes ☐ No	14
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	15
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Project Manager Review:		
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	15.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	16.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	17.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

Project Manager Review:

Date: 11-10-12

CLIENT: Arcadi's

CLIENT:

COC PAGE

COC ID# 2159063

Bulk Kit

Project # 50158666

Sample Line

AG1U WGFU AG0U R 4 / 6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H BP3C BP1U SP5T AG2U

Ma (S) $\text{pH} < 2$ $\text{pH} > 9$ $\text{pH} > 12$

[illegible]

Container Codes

DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG9U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

November 14, 2016

Jesse Wright
Arcadis U.S., Inc.
132 E. Washington Street
Suite 600
Indianapolis, IN 46204

RE: Project: Racer-Kokomo
Pace Project No.: 50158811

Dear Jesse Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on November 11, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kelly Jones
kelly.jones@pacelabs.com
Project Manager

Enclosures

cc: Ms. Sarah Fisher, Arcadis
Mr. Matt Griles, Arcadis U.S., Inc.
Mr. Luke Martin, Arcadis
Ms. Lauren Werckenthien, Arcadis



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Racer-Kokomo

Pace Project No.: 50158811

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 003971

Indiana Certification #: C-49-06

Kansas/NELAP Certification #:E-10177

Kentucky UST Certification #: 80226

Kentucky WW Certification #:98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2016-075

Texas Certification #: T104704355-16-10

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-16-00257

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Racer-Kokomo

Pace Project No.: 50158811

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50158811001	TB-01 (111016)	Water	11/10/16 08:00	11/11/16 11:05
50158811002	SB-1616 (42-45)	Water	11/10/16 17:00	11/11/16 11:05
50158811003	SB-1616 (39-42)	Water	11/10/16 17:20	11/11/16 11:05
50158811004	SB-1616 (36-39)	Water	11/10/16 17:40	11/11/16 11:05
50158811005	SB-1616 (33-36)	Water	11/11/16 08:15	11/11/16 11:05
50158811006	SB-1616 (30-33)	Water	11/11/16 08:30	11/11/16 11:05
50158811007	SB-1616 (27-30)	Water	11/11/16 09:00	11/11/16 11:05
50158811008	SB-1616 (24-27)	Water	11/11/16 09:15	11/11/16 11:05
50158811009	SB-1616 (21-24)	Water	11/11/16 09:30	11/11/16 11:05

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SAMPLE ANALYTE COUNT

Project: Racer-Kokomo

Pace Project No.: 50158811

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50158811001	TB-01 (111016)	EPA 8260	RSW	51
50158811002	SB-1616 (42-45)	EPA 8260	RSW	51
50158811003	SB-1616 (39-42)	EPA 8260	RSW	51
50158811004	SB-1616 (36-39)	EPA 8260	AMV, RSW	51
50158811005	SB-1616 (33-36)	EPA 8260	RSW	51
50158811006	SB-1616 (30-33)	EPA 8260	RSW	51
50158811007	SB-1616 (27-30)	EPA 8260	RSW	51
50158811008	SB-1616 (24-27)	EPA 8260	AMV, RSW	51
50158811009	SB-1616 (21-24)	EPA 8260	AMV, RSW	51

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SUMMARY OF DETECTION

Project: Racer-Kokomo

Pace Project No.: 50158811

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158811002	SB-1616 (42-45)					
EPA 8260	cis-1,2-Dichloroethene	154	ug/L	5.0	11/11/16 16:25	
EPA 8260	trans-1,2-Dichloroethene	7.2	ug/L	5.0	11/11/16 16:25	
EPA 8260	Toluene	0.29J	ug/L	5.0	11/11/16 16:25	
EPA 8260	Trichloroethene	173	ug/L	5.0	11/11/16 16:25	
50158811003	SB-1616 (39-42)					
EPA 8260	cis-1,2-Dichloroethene	116	ug/L	5.0	11/11/16 16:53	
EPA 8260	trans-1,2-Dichloroethene	5.1	ug/L	5.0	11/11/16 16:53	
EPA 8260	Toluene	0.29J	ug/L	5.0	11/11/16 16:53	
EPA 8260	Trichloroethene	175	ug/L	5.0	11/11/16 16:53	
50158811004	SB-1616 (36-39)					
EPA 8260	Acetone	2.7J	ug/L	100	11/11/16 17:21	
EPA 8260	cis-1,2-Dichloroethene	148	ug/L	5.0	11/11/16 17:21	
EPA 8260	trans-1,2-Dichloroethene	12.2	ug/L	5.0	11/11/16 17:21	
EPA 8260	Toluene	0.29J	ug/L	5.0	11/11/16 17:21	
EPA 8260	Trichloroethene	215	ug/L	50.0	11/14/16 12:45	
50158811005	SB-1616 (33-36)					
EPA 8260	cis-1,2-Dichloroethene	101	ug/L	5.0	11/11/16 17:48	
EPA 8260	trans-1,2-Dichloroethene	3.9J	ug/L	5.0	11/11/16 17:48	
EPA 8260	Toluene	0.18J	ug/L	5.0	11/11/16 17:48	
EPA 8260	Trichloroethene	82.5	ug/L	5.0	11/11/16 17:48	
50158811006	SB-1616 (30-33)					
EPA 8260	cis-1,2-Dichloroethene	118	ug/L	5.0	11/11/16 18:15	
EPA 8260	trans-1,2-Dichloroethene	5.0J	ug/L	5.0	11/11/16 18:15	
EPA 8260	Toluene	0.19J	ug/L	5.0	11/11/16 18:15	
EPA 8260	Trichloroethene	52.0	ug/L	5.0	11/11/16 18:15	
50158811007	SB-1616 (27-30)					
EPA 8260	1,1-Dichloroethene	0.56J	ug/L	5.0	11/11/16 18:43	
EPA 8260	cis-1,2-Dichloroethene	224	ug/L	5.0	11/11/16 18:43	
EPA 8260	trans-1,2-Dichloroethene	27.7	ug/L	5.0	11/11/16 18:43	
EPA 8260	Methyl-tert-butyl ether	0.19J	ug/L	4.0	11/11/16 18:43	
EPA 8260	Toluene	0.16J	ug/L	5.0	11/11/16 18:43	
EPA 8260	Trichloroethene	272	ug/L	5.0	11/11/16 18:43	
50158811008	SB-1616 (24-27)					
EPA 8260	1,1-Dichloroethene	2.1J	ug/L	5.0	11/11/16 19:10	
EPA 8260	cis-1,2-Dichloroethene	293	ug/L	100	11/14/16 13:10	
EPA 8260	trans-1,2-Dichloroethene	80.5	ug/L	5.0	11/11/16 19:10	
EPA 8260	Toluene	0.37J	ug/L	5.0	11/11/16 19:10	
EPA 8260	Trichloroethene	1150	ug/L	100	11/14/16 13:10	
EPA 8260	Vinyl chloride	2.6	ug/L	2.0	11/11/16 19:10	
50158811009	SB-1616 (21-24)					
EPA 8260	1,1-Dichloroethene	2.4J	ug/L	5.0	11/11/16 19:38	
EPA 8260	cis-1,2-Dichloroethene	355	ug/L	100	11/14/16 13:35	
EPA 8260	trans-1,2-Dichloroethene	112	ug/L	5.0	11/11/16 19:38	

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SUMMARY OF DETECTION

Project: Racer-Kokomo

Pace Project No.: 50158811

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158811009	SB-1616 (21-24)					
EPA 8260	Toluene	0.28J	ug/L	5.0	11/11/16 19:38	
EPA 8260	Trichloroethene	2260	ug/L	100	11/14/16 13:35	
EPA 8260	Vinyl chloride	3.7	ug/L	2.0	11/11/16 19:38	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: TB-01 (111016)		Lab ID: 50158811001	Collected: 11/10/16 08:00	Received: 11/11/16 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 15:57	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 15:57	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 15:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 15:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 15:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 15:57	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 15:57	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 15:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 15:57	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 15:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 15:57	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 15:57	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 15:57	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 15:57	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 15:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 15:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 15:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 15:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 15:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 15:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 15:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 15:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 15:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/16 15:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/11/16 15:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 15:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 15:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 15:57	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 15:57	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 15:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 15:57	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 15:57	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 15:57	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 15:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 15:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 15:57	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 15:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 15:57	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 15:57	127-18-4	
Toluene	ND	ug/L	5.0	1		11/11/16 15:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 15:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 15:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 15:57	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/11/16 15:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 15:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 15:57	76-13-1	L3
Vinyl chloride	ND	ug/L	2.0	1		11/11/16 15:57	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: TB-01 (111016)		Lab ID: 50158811001		Collected: 11/10/16 08:00		Received: 11/11/16 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 15:57	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	84-118	1		11/11/16 15:57	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/11/16 15:57	460-00-4	
Toluene-d8 (S)		104	%.	86-110	1		11/11/16 15:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (42-45)		Lab ID: 50158811002	Collected: 11/10/16 17:00	Received: 11/11/16 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 16:25	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 16:25	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 16:25	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 16:25	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 16:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 16:25	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 16:25	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 16:25	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 16:25	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 16:25	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 16:25	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 16:25	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 16:25	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 16:25	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 16:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 16:25	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 16:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 16:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 16:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 16:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 16:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 16:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 16:25	75-35-4	
cis-1,2-Dichloroethene	154	ug/L	5.0	1		11/11/16 16:25	156-59-2	
trans-1,2-Dichloroethene	7.2	ug/L	5.0	1		11/11/16 16:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 16:25	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 16:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 16:25	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 16:25	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 16:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 16:25	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 16:25	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 16:25	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 16:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 16:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 16:25	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 16:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 16:25	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 16:25	127-18-4	
Toluene	0.29J	ug/L	5.0	1		11/11/16 16:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 16:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 16:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 16:25	79-00-5	
Trichloroethene	173	ug/L	5.0	1		11/11/16 16:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 16:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 16:25	76-13-1	L3
Vinyl chloride	ND	ug/L	2.0	1		11/11/16 16:25	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (42-45)		Lab ID: 50158811002		Collected: 11/10/16 17:00		Received: 11/11/16 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 16:25	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	84-118	1		11/11/16 16:25	1868-53-7	
4-Bromofluorobenzene (S)		97	%.	79-116	1		11/11/16 16:25	460-00-4	
Toluene-d8 (S)		104	%.	86-110	1		11/11/16 16:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (39-42)		Lab ID: 50158811003	Collected: 11/10/16 17:20	Received: 11/11/16 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 16:53	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 16:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 16:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 16:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 16:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 16:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 16:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 16:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 16:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 16:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 16:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 16:53	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 16:53	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 16:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 16:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 16:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 16:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 16:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 16:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 16:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 16:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 16:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 16:53	75-35-4	
cis-1,2-Dichloroethene	116	ug/L	5.0	1		11/11/16 16:53	156-59-2	
trans-1,2-Dichloroethene	5.1	ug/L	5.0	1		11/11/16 16:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 16:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 16:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 16:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 16:53	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 16:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 16:53	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 16:53	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 16:53	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 16:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 16:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 16:53	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 16:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 16:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 16:53	127-18-4	
Toluene	0.29J	ug/L	5.0	1		11/11/16 16:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 16:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 16:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 16:53	79-00-5	
Trichloroethene	175	ug/L	5.0	1		11/11/16 16:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 16:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 16:53	76-13-1	L3
Vinyl chloride	ND	ug/L	2.0	1		11/11/16 16:53	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (39-42)		Lab ID: 50158811003		Collected: 11/10/16 17:20		Received: 11/11/16 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 16:53	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		102	%.	84-118	1		11/11/16 16:53	1868-53-7	
4-Bromofluorobenzene (S)		99	%.	79-116	1		11/11/16 16:53	460-00-4	
Toluene-d8 (S)		107	%.	86-110	1		11/11/16 16:53	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (36-39)		Lab ID: 50158811004	Collected: 11/10/16 17:40	Received: 11/11/16 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	2.7J	ug/L	100	1		11/11/16 17:21	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 17:21	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 17:21	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 17:21	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 17:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 17:21	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 17:21	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 17:21	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 17:21	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 17:21	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 17:21	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 17:21	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 17:21	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 17:21	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 17:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 17:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 17:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 17:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 17:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 17:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 17:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 17:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 17:21	75-35-4	
cis-1,2-Dichloroethene	148	ug/L	5.0	1		11/11/16 17:21	156-59-2	
trans-1,2-Dichloroethene	12.2	ug/L	5.0	1		11/11/16 17:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 17:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 17:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 17:21	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 17:21	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 17:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 17:21	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 17:21	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 17:21	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 17:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 17:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 17:21	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 17:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 17:21	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 17:21	127-18-4	
Toluene	0.29J	ug/L	5.0	1		11/11/16 17:21	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 17:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 17:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 17:21	79-00-5	
Trichloroethene	215	ug/L	50.0	10		11/14/16 12:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 17:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 17:21	76-13-1	L3
Vinyl chloride	ND	ug/L	2.0	1		11/11/16 17:21	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (36-39)		Lab ID: 50158811004		Collected: 11/10/16 17:40		Received: 11/11/16 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 17:21	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		103	%.	84-118	1		11/11/16 17:21	1868-53-7	
4-Bromofluorobenzene (S)		101	%.	79-116	1		11/11/16 17:21	460-00-4	
Toluene-d8 (S)		107	%.	86-110	1		11/11/16 17:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (33-36)		Lab ID: 50158811005	Collected: 11/11/16 08:15	Received: 11/11/16 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 17:48	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 17:48	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 17:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 17:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 17:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 17:48	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 17:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 17:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 17:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 17:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 17:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 17:48	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 17:48	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 17:48	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 17:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 17:48	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 17:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 17:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 17:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 17:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 17:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 17:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 17:48	75-35-4	
cis-1,2-Dichloroethene	101	ug/L	5.0	1		11/11/16 17:48	156-59-2	
trans-1,2-Dichloroethene	3.9J	ug/L	5.0	1		11/11/16 17:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 17:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 17:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 17:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 17:48	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 17:48	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 17:48	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 17:48	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 17:48	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 17:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 17:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 17:48	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 17:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 17:48	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 17:48	127-18-4	
Toluene	0.18J	ug/L	5.0	1		11/11/16 17:48	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 17:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 17:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 17:48	79-00-5	
Trichloroethene	82.5	ug/L	5.0	1		11/11/16 17:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 17:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 17:48	76-13-1	L3
Vinyl chloride	ND	ug/L	2.0	1		11/11/16 17:48	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (33-36)		Lab ID: 50158811005		Collected: 11/11/16 08:15		Received: 11/11/16 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 17:48	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		105	%.	84-118	1		11/11/16 17:48	1868-53-7	
4-Bromofluorobenzene (S)		97	%.	79-116	1		11/11/16 17:48	460-00-4	
Toluene-d8 (S)		105	%.	86-110	1		11/11/16 17:48	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (30-33)		Lab ID: 50158811006	Collected: 11/11/16 08:30	Received: 11/11/16 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 18:15	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 18:15	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 18:15	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 18:15	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 18:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 18:15	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 18:15	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 18:15	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 18:15	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 18:15	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 18:15	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 18:15	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 18:15	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 18:15	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 18:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 18:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 18:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 18:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 18:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 18:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 18:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 18:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/11/16 18:15	75-35-4	
cis-1,2-Dichloroethene	118	ug/L	5.0	1		11/11/16 18:15	156-59-2	
trans-1,2-Dichloroethene	5.0J	ug/L	5.0	1		11/11/16 18:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 18:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 18:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 18:15	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 18:15	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 18:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 18:15	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 18:15	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 18:15	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 18:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 18:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 18:15	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 18:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 18:15	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 18:15	127-18-4	
Toluene	0.19J	ug/L	5.0	1		11/11/16 18:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 18:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 18:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 18:15	79-00-5	
Trichloroethene	52.0	ug/L	5.0	1		11/11/16 18:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 18:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 18:15	76-13-1	L3
Vinyl chloride	ND	ug/L	2.0	1		11/11/16 18:15	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (30-33)		Lab ID: 50158811006		Collected: 11/11/16 08:30		Received: 11/11/16 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 18:15	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		103	%.	84-118	1		11/11/16 18:15	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/11/16 18:15	460-00-4	
Toluene-d8 (S)		108	%.	86-110	1		11/11/16 18:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (27-30)		Lab ID: 50158811007	Collected: 11/11/16 09:00	Received: 11/11/16 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 18:43	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 18:43	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 18:43	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 18:43	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 18:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 18:43	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 18:43	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 18:43	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 18:43	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 18:43	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 18:43	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 18:43	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 18:43	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 18:43	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 18:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 18:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 18:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 18:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 18:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 18:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 18:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 18:43	107-06-2	
1,1-Dichloroethene	0.56J	ug/L	5.0	1		11/11/16 18:43	75-35-4	
cis-1,2-Dichloroethene	224	ug/L	5.0	1		11/11/16 18:43	156-59-2	
trans-1,2-Dichloroethene	27.7	ug/L	5.0	1		11/11/16 18:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 18:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 18:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 18:43	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 18:43	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 18:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 18:43	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 18:43	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 18:43	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 18:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 18:43	108-10-1	
Methyl-tert-butyl ether	0.19J	ug/L	4.0	1		11/11/16 18:43	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 18:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 18:43	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 18:43	127-18-4	
Toluene	0.16J	ug/L	5.0	1		11/11/16 18:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 18:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 18:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 18:43	79-00-5	
Trichloroethene	272	ug/L	5.0	1		11/11/16 18:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 18:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 18:43	76-13-1	L3
Vinyl chloride	ND	ug/L	2.0	1		11/11/16 18:43	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (27-30)		Lab ID: 50158811007		Collected: 11/11/16 09:00		Received: 11/11/16 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 18:43	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		103	%.	84-118	1		11/11/16 18:43	1868-53-7	
4-Bromofluorobenzene (S)		95	%.	79-116	1		11/11/16 18:43	460-00-4	
Toluene-d8 (S)		104	%.	86-110	1		11/11/16 18:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (24-27)		Lab ID: 50158811008	Collected: 11/11/16 09:15	Received: 11/11/16 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 19:10	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 19:10	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 19:10	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 19:10	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 19:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 19:10	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 19:10	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 19:10	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 19:10	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 19:10	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 19:10	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 19:10	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 19:10	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 19:10	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 19:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 19:10	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 19:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 19:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 19:10	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 19:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 19:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 19:10	107-06-2	
1,1-Dichloroethene	2.1J	ug/L	5.0	1		11/11/16 19:10	75-35-4	
cis-1,2-Dichloroethene	293	ug/L	100	20		11/14/16 13:10	156-59-2	
trans-1,2-Dichloroethene	80.5	ug/L	5.0	1		11/11/16 19:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 19:10	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 19:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 19:10	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 19:10	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 19:10	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 19:10	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 19:10	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 19:10	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 19:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 19:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 19:10	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 19:10	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 19:10	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 19:10	127-18-4	
Toluene	0.37J	ug/L	5.0	1		11/11/16 19:10	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 19:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 19:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 19:10	79-00-5	
Trichloroethene	1150	ug/L	100	20		11/14/16 13:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 19:10	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 19:10	76-13-1	L3
Vinyl chloride	2.6	ug/L	2.0	1		11/11/16 19:10	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (24-27)		Lab ID: 50158811008		Collected: 11/11/16 09:15		Received: 11/11/16 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 19:10	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	84-118	1		11/11/16 19:10	1868-53-7	
4-Bromofluorobenzene (S)		97	%.	79-116	1		11/11/16 19:10	460-00-4	
Toluene-d8 (S)		107	%.	86-110	1		11/11/16 19:10	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (21-24)		Lab ID: 50158811009	Collected: 11/11/16 09:30	Received: 11/11/16 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/11/16 19:38	67-64-1	
Benzene	ND	ug/L	5.0	1		11/11/16 19:38	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/11/16 19:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/11/16 19:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/11/16 19:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/11/16 19:38	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/11/16 19:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/11/16 19:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/11/16 19:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/11/16 19:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/11/16 19:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/11/16 19:38	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/11/16 19:38	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/11/16 19:38	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/11/16 19:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/11/16 19:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 19:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 19:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/11/16 19:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/11/16 19:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/11/16 19:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/11/16 19:38	107-06-2	
1,1-Dichloroethene	2.4J	ug/L	5.0	1		11/11/16 19:38	75-35-4	
cis-1,2-Dichloroethene	355	ug/L	100	20		11/14/16 13:35	156-59-2	
trans-1,2-Dichloroethene	112	ug/L	5.0	1		11/11/16 19:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/11/16 19:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 19:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/11/16 19:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/11/16 19:38	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/11/16 19:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/11/16 19:38	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/11/16 19:38	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/11/16 19:38	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/11/16 19:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/11/16 19:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/11/16 19:38	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/11/16 19:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/11/16 19:38	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/11/16 19:38	127-18-4	
Toluene	0.28J	ug/L	5.0	1		11/11/16 19:38	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/11/16 19:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/11/16 19:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/11/16 19:38	79-00-5	
Trichloroethene	2260	ug/L	100	20		11/14/16 13:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/11/16 19:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/11/16 19:38	76-13-1	L3
Vinyl chloride	3.7	ug/L	2.0	1		11/11/16 19:38	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158811

Sample: SB-1616 (21-24)		Lab ID: 50158811009		Collected: 11/11/16 09:30		Received: 11/11/16 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/11/16 19:38	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		100	%.	84-118	1		11/11/16 19:38	1868-53-7	
4-Bromofluorobenzene (S)		94	%.	79-116	1		11/11/16 19:38	460-00-4	
Toluene-d8 (S)		107	%.	86-110	1		11/11/16 19:38	2037-26-5	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50158811

QC Batch: 361219

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50158811001, 50158811002, 50158811003, 50158811004, 50158811005, 50158811006, 50158811007, 50158811008, 50158811009

METHOD BLANK: 1669347

Matrix: Water

Associated Lab Samples: 50158811001, 50158811002, 50158811003, 50158811004, 50158811005, 50158811006, 50158811007, 50158811008, 50158811009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/11/16 15:29	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/11/16 15:29	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/11/16 15:29	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/11/16 15:29	
1,1-Dichloroethane	ug/L	ND	5.0	11/11/16 15:29	
1,1-Dichloroethene	ug/L	ND	5.0	11/11/16 15:29	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/11/16 15:29	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/11/16 15:29	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/11/16 15:29	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/11/16 15:29	
1,2-Dichloroethane	ug/L	ND	5.0	11/11/16 15:29	
1,2-Dichloropropane	ug/L	ND	5.0	11/11/16 15:29	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/11/16 15:29	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/11/16 15:29	
2-Butanone (MEK)	ug/L	ND	25.0	11/11/16 15:29	
2-Hexanone	ug/L	ND	25.0	11/11/16 15:29	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/11/16 15:29	
Acetone	ug/L	ND	100	11/11/16 15:29	
Benzene	ug/L	ND	5.0	11/11/16 15:29	
Bromodichloromethane	ug/L	ND	5.0	11/11/16 15:29	
Bromoform	ug/L	ND	5.0	11/11/16 15:29	
Bromomethane	ug/L	ND	5.0	11/11/16 15:29	
Carbon disulfide	ug/L	ND	10.0	11/11/16 15:29	
Carbon tetrachloride	ug/L	ND	5.0	11/11/16 15:29	
Chlorobenzene	ug/L	ND	5.0	11/11/16 15:29	
Chloroethane	ug/L	ND	5.0	11/11/16 15:29	
Chloroform	ug/L	ND	5.0	11/11/16 15:29	
Chloromethane	ug/L	ND	5.0	11/11/16 15:29	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/11/16 15:29	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/11/16 15:29	
Cyclohexane	ug/L	ND	100	11/11/16 15:29	N2
Dibromochloromethane	ug/L	ND	5.0	11/11/16 15:29	
Dichlorodifluoromethane	ug/L	ND	5.0	11/11/16 15:29	
Ethylbenzene	ug/L	ND	5.0	11/11/16 15:29	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/11/16 15:29	
Methyl acetate	ug/L	ND	50.0	11/11/16 15:29	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/11/16 15:29	
Methylcyclohexane	ug/L	ND	50.0	11/11/16 15:29	N2
Methylene Chloride	ug/L	ND	5.0	11/11/16 15:29	
Styrene	ug/L	ND	5.0	11/11/16 15:29	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50158811

METHOD BLANK: 1669347

Matrix: Water

Associated Lab Samples: 50158811001, 50158811002, 50158811003, 50158811004, 50158811005, 50158811006, 50158811007, 50158811008, 50158811009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	5.0	11/11/16 15:29	
Toluene	ug/L	ND	5.0	11/11/16 15:29	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/11/16 15:29	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/11/16 15:29	
Trichloroethene	ug/L	ND	5.0	11/11/16 15:29	
Trichlorofluoromethane	ug/L	ND	5.0	11/11/16 15:29	
Vinyl chloride	ug/L	ND	2.0	11/11/16 15:29	
Xylene (Total)	ug/L	ND	10.0	11/11/16 15:29	
4-Bromofluorobenzene (S)	%	100	79-116	11/11/16 15:29	
Dibromofluoromethane (S)	%	101	84-118	11/11/16 15:29	
Toluene-d8 (S)	%	105	86-110	11/11/16 15:29	

LABORATORY CONTROL SAMPLE: 1669348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.0	96	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	50.2	100	72-124	
1,1,2-Trichloroethane	ug/L	50	49.5	99	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	59.3	119	80-111	L0
1,1-Dichloroethane	ug/L	50	56.0	112	70-120	
1,1-Dichloroethene	ug/L	50	54.6	109	69-127	
1,2,4-Trichlorobenzene	ug/L	50	51.9	104	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	42.4	85	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	54.4	109	76-125	
1,2-Dichlorobenzene	ug/L	50	51.4	103	77-122	
1,2-Dichloroethane	ug/L	50	59.1	118	70-123	
1,2-Dichloropropane	ug/L	50	57.2	114	77-124	
1,3-Dichlorobenzene	ug/L	50	51.3	103	76-124	
1,4-Dichlorobenzene	ug/L	50	52.0	104	75-117	
2-Butanone (MEK)	ug/L	250	307	123	60-135	
2-Hexanone	ug/L	250	279	112	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	286	114	66-134	
Acetone	ug/L	250	206	82	47-144	
Benzene	ug/L	50	52.7	105	76-122	
Bromodichloromethane	ug/L	50	49.2	98	71-124	
Bromoform	ug/L	50	39.5	79	60-125	
Bromomethane	ug/L	50	43.0	86	23-194	
Carbon disulfide	ug/L	50	50.7	101	63-130	
Carbon tetrachloride	ug/L	50	51.1	102	73-133	
Chlorobenzene	ug/L	50	50.7	101	76-118	
Chloroethane	ug/L	50	46.0	92	50-147	
Chloroform	ug/L	50	54.8	110	70-119	
Chloromethane	ug/L	50	53.6	107	52-136	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50158811

LABORATORY CONTROL SAMPLE: 1669348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	53.0	106	74-120	
cis-1,3-Dichloropropene	ug/L	50	53.7	107	71-134	
Cyclohexane	ug/L	50	52.4J	105	86-122	N2
Dibromochloromethane	ug/L	50	48.4	97	73-127	
Dichlorodifluoromethane	ug/L	50	52.6	105	39-166	
Ethylbenzene	ug/L	50	55.7	111	75-123	
Isopropylbenzene (Cumene)	ug/L	50	56.5	113	84-134	
Methyl acetate	ug/L	50	77.1	154	68-192	N2
Methyl-tert-butyl ether	ug/L	50	48.5	97	65-131	
Methylcyclohexane	ug/L	50	53.8	108	89-122	N2
Methylene Chloride	ug/L	50	41.0	82	66-130	
Styrene	ug/L	50	56.6	113	78-128	
Tetrachloroethene	ug/L	50	52.4	105	69-119	
Toluene	ug/L	50	51.9	104	74-122	
trans-1,2-Dichloroethene	ug/L	50	53.2	106	72-122	
trans-1,3-Dichloropropene	ug/L	50	53.1	106	66-135	
Trichloroethene	ug/L	50	53.1	106	75-123	
Trichlorofluoromethane	ug/L	50	57.5	115	58-148	
Vinyl chloride	ug/L	50	57.8	116	61-147	
Xylene (Total)	ug/L	150	167	111	75-127	
4-Bromofluorobenzene (S)	%.			103	79-116	
Dibromofluoromethane (S)	%.			99	84-118	
Toluene-d8 (S)	%.			103	86-110	

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QUALIFIERS

Project: Racer-Kokomo
Pace Project No.: 50158811

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Racer-Kokomo

Pace Project No.: 50158811

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50158811001	TB-01 (111016)	EPA 8260	361219		
50158811002	SB-1616 (42-45)	EPA 8260	361219		
50158811003	SB-1616 (39-42)	EPA 8260	361219		
50158811004	SB-1616 (36-39)	EPA 8260	361219		
50158811005	SB-1616 (33-36)	EPA 8260	361219		
50158811006	SB-1616 (30-33)	EPA 8260	361219		
50158811007	SB-1616 (27-30)	EPA 8260	361219		
50158811008	SB-1616 (24-27)	EPA 8260	361219		
50158811009	SB-1616 (21-24)	EPA 8260	361219		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: ALCANIS	Report To: Jesse W. Smith	Company Name:	Attention:	Page: 1 of 1	2159049
Address: 321 E Washington St	Copy To: Matthew Smith	Address:			
Indianapolis, IN 46204	Sarah Smith				
Email To: Jesse W. Smith	Purchase Order No.: 10000884.2016	Pace Quote Reference:			
Phone: 317.231.6500	Project Name: RAVER - KOKOMO	Pace Project Manager:			
Requested Due Date: TAT/Next Day	Project Number: 10000884.2016	Pace Profile #:			

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test ↑	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
				COMPOSITE START	COMPOSITE END/GRAB								
1	TB-01 (11-10-16)	DW	G	DATE	TIME								50158823 KC
2	SB-1616 (42-45)	WT	G	11-10-16	1700								50158811 11-11-16
3	SB-1616 (39-42)	WW	G		1700								
4	SB-1616 (36-39)	P	G		1710								
5	SB-1616 (33-36)	SL	G	11-11-16	0815								
6	SB-1616 (30-33)	OL	G		0830								
7	SB-1616 (27-30)	WP	G		0910								
8	SB-1616 (24-27)	AR	G		0915								
9	SB-1616 (21-24)	TS	G		0930								
10		OT											
11													
12													

ADDITIONAL COMMENTS	REINQUIRED BY / AFFILIATION		ACCEPTED BY / AFFILIATION		SAMPLE CONDITIONS	
	DATE	TIME	DATE	TIME	Temp in °C	Received on
* TAT/Next Day TAT	11-11-16	1105	David J. Smith	11-11-16	1105	Custody Sealed Cooler (Y/N)
	11-11-16	1210	J. Smith	11-11-16	1210	Ice (Y/N)
						Temp in °C
						Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

FALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name:

Arcadis

Project #

50158823

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

Tracking #:

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

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other

FORM

Thermometer 1 2 3 4 5 6 A B C D E F

Type of Ice: Wet Blue None

☐ Samples on ice, cooling process has begun

Cooler Temperature

0.8/0.8

Ice Visible in Sample Containers: ☐ yes ☒ no

(Initial/Corrected)

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: HS-11-16

Are samples from West Virginia?	☐ Yes ☒ No	1.
Document any containers out of temp.		
Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	3.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	4.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☒ Yes ☐ No ☐ N/A	7. <u>24 hr TURN</u>
Containers Intact:	☐ Yes ☒ No ☐ N/A	8. <u>Received 2 broken vials</u>
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	9.
- Includes date/time/ID/Analysis		
All containers needing acid/base pres. have been checked?	☐ Yes ☐ No ☒ N/A	10
exceptions: VOA, coliform, TOC, O&G		
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12. Present Absent
Headspace in VOA Vials (>6mm):	☒ Yes ☐ No ☐ N/A	13 <u>SB 1616 (36-39) 2-vials</u>
Headspace Wisconsin Sulfide	☐ Yes ☐ No	14
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	15
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	17.
Project Manager Review		
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	15.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	16.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	17.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Received 2 vials broken, sample: SB-36-39 (1-vial) SB-39-42

Project Manager Review:

Date:

November 23, 2016

Jesse Wright
Arcadis U.S., Inc.
132 E. Washington Street
Suite 600
Indianapolis, IN 46204

RE: Project: Racer-Kokomo
Pace Project No.: 50158885

Dear Jesse Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on November 11, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kelly Jones
kelly.jones@pacelabs.com
Project Manager

Enclosures

cc: Ms. Sarah Fisher, Arcadis
Mr. Matt Griles, Arcadis U.S., Inc.
Mr. Luke Martin, Arcadis
Ms. Lauren Werckenthien, Arcadis



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Racer-Kokomo

Pace Project No.: 50158885

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 003971

Indiana Certification #: C-49-06

Kansas/NELAP Certification #: E-10177

Kentucky UST Certification #: 80226

Kentucky WW Certification #: 98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2016-075

Texas Certification #: T104704355-16-10

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-16-00257

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SAMPLE SUMMARY

Project: Racer-Kokomo

Pace Project No.: 50158885

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50158885001	TB-01(111116)	Water	11/11/16 09:30	11/11/16 16:10
50158885002	SB-1619(39-42)	Water	11/11/16 10:50	11/11/16 16:10
50158885003	SB-1619(36-39)	Water	11/11/16 11:05	11/11/16 16:10
50158885004	SB-1619(33-36)	Water	11/11/16 11:20	11/11/16 16:10
50158885005	SB-1619(30-33)	Water	11/11/16 11:35	11/11/16 16:10
50158885006	SB-1619(27-30)	Water	11/11/16 11:50	11/11/16 16:10
50158885007	SB-1619(24-27)	Water	11/11/16 12:00	11/11/16 16:10
50158885008	SB-1619(21-24)	Water	11/11/16 12:10	11/11/16 16:10
50158885009	SB-1618(40-43)	Water	11/11/16 13:15	11/11/16 16:10
50158885010	SB-1618(37-40)	Water	11/11/16 13:30	11/11/16 16:10
50158885011	SB-1618(34-37)	Water	11/11/16 13:50	11/11/16 16:10
50158885012	SB-1618(31-34)	Water	11/11/16 14:10	11/11/16 16:10
50158885013	SB-1618(27-30)	Water	11/11/16 14:30	11/11/16 16:10
50158885014	DUP-05(111116)	Water	11/11/16 08:00	11/11/16 16:10

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SAMPLE ANALYTE COUNT

Project: Racer-Kokomo

Pace Project No.: 50158885

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50158885001	TB-01(111116)	EPA 8260	DAE	51
50158885002	SB-1619(39-42)	EPA 8260	DAE	51
50158885003	SB-1619(36-39)	EPA 8260	DAE	51
50158885004	SB-1619(33-36)	EPA 8260	DAE	51
50158885005	SB-1619(30-33)	EPA 8260	DAE	51
50158885006	SB-1619(27-30)	EPA 8260	DAE	51
50158885007	SB-1619(24-27)	EPA 8260	DAE	51
50158885008	SB-1619(21-24)	EPA 8260	DAE	51
50158885009	SB-1618(40-43)	EPA 8260	DAE	51
50158885010	SB-1618(37-40)	EPA 8260	DAE	51
50158885011	SB-1618(34-37)	EPA 8260	DAE	51
50158885012	SB-1618(31-34)	EPA 8260	DAE	51
50158885013	SB-1618(27-30)	EPA 8260	DAE	51
50158885014	DUP-05(111116)	EPA 8260	DAE	51

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Racer-Kokomo

Pace Project No.: 50158885

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
50158885001	TB-01(111116)					
EPA 8260	Methylene Chloride	2.1J	ug/L	5.0	11/21/16 11:52	
50158885002	SB-1619(39-42)					
EPA 8260	cis-1,2-Dichloroethene	12.5	ug/L	5.0	11/21/16 12:25	
EPA 8260	trans-1,2-Dichloroethene	1.2J	ug/L	5.0	11/21/16 12:25	
EPA 8260	Trichloroethene	1.2J	ug/L	5.0	11/21/16 12:25	
50158885003	SB-1619(36-39)					
EPA 8260	cis-1,2-Dichloroethene	5.6	ug/L	5.0	11/21/16 12:58	
50158885004	SB-1619(33-36)					
EPA 8260	cis-1,2-Dichloroethene	9.5	ug/L	5.0	11/21/16 13:31	
EPA 8260	Trichloroethene	0.98J	ug/L	5.0	11/21/16 13:31	
50158885005	SB-1619(30-33)					
EPA 8260	cis-1,2-Dichloroethene	43.1	ug/L	5.0	11/21/16 14:04	
EPA 8260	trans-1,2-Dichloroethene	4.2J	ug/L	5.0	11/21/16 14:04	
50158885006	SB-1619(27-30)					
EPA 8260	1,1-Dichloroethane	3.4J	ug/L	5.0	11/21/16 14:36	
EPA 8260	1,1-Dichloroethene	2.6J	ug/L	5.0	11/21/16 14:36	
EPA 8260	cis-1,2-Dichloroethene	486	ug/L	50.0	11/22/16 15:52	
EPA 8260	trans-1,2-Dichloroethene	47.4	ug/L	5.0	11/21/16 14:36	
EPA 8260	Vinyl chloride	7.2	ug/L	2.0	11/21/16 14:36	
50158885007	SB-1619(24-27)					
EPA 8260	1,1-Dichloroethane	7.5	ug/L	5.0	11/21/16 15:09	
EPA 8260	1,1-Dichloroethene	3.7J	ug/L	5.0	11/21/16 15:09	
EPA 8260	cis-1,2-Dichloroethene	857	ug/L	100	11/22/16 15:20	
EPA 8260	trans-1,2-Dichloroethene	73.0	ug/L	5.0	11/21/16 15:09	
EPA 8260	Vinyl chloride	12.0	ug/L	2.0	11/21/16 15:09	
50158885008	SB-1619(21-24)					
EPA 8260	1,1-Dichloroethane	15.6	ug/L	5.0	11/21/16 15:42	
EPA 8260	1,1-Dichloroethene	3.0J	ug/L	5.0	11/21/16 15:42	
EPA 8260	cis-1,2-Dichloroethene	852	ug/L	50.0	11/22/16 14:47	
EPA 8260	trans-1,2-Dichloroethene	43.1	ug/L	5.0	11/21/16 15:42	
EPA 8260	Vinyl chloride	12.3	ug/L	2.0	11/21/16 15:42	
50158885009	SB-1618(40-43)					
EPA 8260	cis-1,2-Dichloroethene	57.3	ug/L	5.0	11/21/16 16:15	
EPA 8260	trans-1,2-Dichloroethene	2.4J	ug/L	5.0	11/21/16 16:15	
EPA 8260	Trichloroethene	25.1	ug/L	5.0	11/21/16 16:15	
EPA 8260	Vinyl chloride	1.2J	ug/L	2.0	11/21/16 16:15	
50158885010	SB-1618(37-40)					
EPA 8260	cis-1,2-Dichloroethene	6.4	ug/L	5.0	11/21/16 16:47	
EPA 8260	Trichloroethene	5.1	ug/L	5.0	11/21/16 16:47	
50158885011	SB-1618(34-37)					
EPA 8260	cis-1,2-Dichloroethene	16.7	ug/L	5.0	11/21/16 17:20	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Racer-Kokomo

Pace Project No.: 50158885

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50158885011	SB-1618(34-37)					
EPA 8260	Trichloroethene	7.9	ug/L	5.0	11/21/16 17:20	
EPA 8260	Vinyl chloride	0.59J	ug/L	2.0	11/21/16 17:20	
50158885012	SB-1618(31-34)					
EPA 8260	cis-1,2-Dichloroethene	50.4	ug/L	5.0	11/21/16 17:53	
EPA 8260	trans-1,2-Dichloroethene	1.6J	ug/L	5.0	11/21/16 17:53	
EPA 8260	Trichloroethene	10.3	ug/L	5.0	11/21/16 17:53	
EPA 8260	Vinyl chloride	1.8J	ug/L	2.0	11/21/16 17:53	
50158885013	SB-1618(27-30)					
EPA 8260	1,1-Dichloroethene	1.9J	ug/L	5.0	11/21/16 18:59	
EPA 8260	cis-1,2-Dichloroethene	533	ug/L	100	11/21/16 19:32	
EPA 8260	trans-1,2-Dichloroethene	21.2	ug/L	5.0	11/21/16 18:59	
EPA 8260	Trichloroethene	133	ug/L	5.0	11/21/16 18:59	
EPA 8260	Vinyl chloride	25.5	ug/L	2.0	11/21/16 18:59	
50158885014	DUP-05(111116)					
EPA 8260	cis-1,2-Dichloroethene	22.8	ug/L	5.0	11/21/16 20:04	D6
EPA 8260	Trichloroethene	10.3	ug/L	5.0	11/21/16 20:04	D6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: TB-01(111116)		Lab ID: 50158885001	Collected: 11/11/16 09:30	Received: 11/11/16 16:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/21/16 11:52	67-64-1	
Benzene	ND	ug/L	5.0	1		11/21/16 11:52	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/21/16 11:52	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/21/16 11:52	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/21/16 11:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/21/16 11:52	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/21/16 11:52	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/21/16 11:52	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/21/16 11:52	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/21/16 11:52	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/21/16 11:52	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/21/16 11:52	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/21/16 11:52	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/21/16 11:52	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/21/16 11:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/21/16 11:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 11:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 11:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 11:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/21/16 11:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/21/16 11:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/21/16 11:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/21/16 11:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/21/16 11:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/21/16 11:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/21/16 11:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 11:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 11:52	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/21/16 11:52	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/21/16 11:52	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/21/16 11:52	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/21/16 11:52	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/21/16 11:52	108-87-2	N2
Methylene Chloride	2.13	ug/L	5.0	1		11/21/16 11:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/21/16 11:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/21/16 11:52	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/21/16 11:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/21/16 11:52	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/21/16 11:52	127-18-4	
Toluene	ND	ug/L	5.0	1		11/21/16 11:52	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/21/16 11:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/21/16 11:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/21/16 11:52	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/21/16 11:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/21/16 11:52	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/21/16 11:52	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/21/16 11:52	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: TB-01(111116)		Lab ID: 50158885001		Collected: 11/11/16 09:30		Received: 11/11/16 16:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/21/16 11:52	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		105	%.	84-118	1		11/21/16 11:52	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/21/16 11:52	460-00-4	
Toluene-d8 (S)		101	%.	86-110	1		11/21/16 11:52	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1619(39-42)		Lab ID: 50158885002	Collected: 11/11/16 10:50	Received: 11/11/16 16:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/21/16 12:25	67-64-1	
Benzene	ND	ug/L	5.0	1		11/21/16 12:25	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/21/16 12:25	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/21/16 12:25	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/21/16 12:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/21/16 12:25	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/21/16 12:25	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/21/16 12:25	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/21/16 12:25	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/21/16 12:25	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/21/16 12:25	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/21/16 12:25	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/21/16 12:25	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/21/16 12:25	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/21/16 12:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/21/16 12:25	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 12:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 12:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 12:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/21/16 12:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/21/16 12:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/21/16 12:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/21/16 12:25	75-35-4	
cis-1,2-Dichloroethene	12.5	ug/L	5.0	1		11/21/16 12:25	156-59-2	
trans-1,2-Dichloroethene	1.2J	ug/L	5.0	1		11/21/16 12:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/21/16 12:25	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 12:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 12:25	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/21/16 12:25	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/21/16 12:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/21/16 12:25	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/21/16 12:25	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/21/16 12:25	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/21/16 12:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/21/16 12:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/21/16 12:25	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/21/16 12:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/21/16 12:25	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/21/16 12:25	127-18-4	
Toluene	ND	ug/L	5.0	1		11/21/16 12:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/21/16 12:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/21/16 12:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/21/16 12:25	79-00-5	
Trichloroethene	1.2J	ug/L	5.0	1		11/21/16 12:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/21/16 12:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/21/16 12:25	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/21/16 12:25	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1619(39-42)		Lab ID: 50158885002		Collected: 11/11/16 10:50		Received: 11/11/16 16:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/21/16 12:25	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		102	%.	84-118	1		11/21/16 12:25	1868-53-7	
4-Bromofluorobenzene (S)		93	%.	79-116	1		11/21/16 12:25	460-00-4	
Toluene-d8 (S)		102	%.	86-110	1		11/21/16 12:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1619(36-39)		Lab ID: 50158885003	Collected: 11/11/16 11:05	Received: 11/11/16 16:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/21/16 12:58	67-64-1	
Benzene	ND	ug/L	5.0	1		11/21/16 12:58	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/21/16 12:58	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/21/16 12:58	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/21/16 12:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/21/16 12:58	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/21/16 12:58	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/21/16 12:58	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/21/16 12:58	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/21/16 12:58	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/21/16 12:58	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/21/16 12:58	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/21/16 12:58	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/21/16 12:58	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/21/16 12:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/21/16 12:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 12:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 12:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 12:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/21/16 12:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/21/16 12:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/21/16 12:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/21/16 12:58	75-35-4	
cis-1,2-Dichloroethene	5.6	ug/L	5.0	1		11/21/16 12:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/21/16 12:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/21/16 12:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 12:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 12:58	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/21/16 12:58	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/21/16 12:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/21/16 12:58	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/21/16 12:58	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/21/16 12:58	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/21/16 12:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/21/16 12:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/21/16 12:58	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/21/16 12:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/21/16 12:58	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/21/16 12:58	127-18-4	
Toluene	ND	ug/L	5.0	1		11/21/16 12:58	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/21/16 12:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/21/16 12:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/21/16 12:58	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/21/16 12:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/21/16 12:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/21/16 12:58	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/21/16 12:58	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1619(36-39)		Lab ID: 50158885003		Collected: 11/11/16 11:05		Received: 11/11/16 16:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/21/16 12:58	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	84-118	1		11/21/16 12:58	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/21/16 12:58	460-00-4	
Toluene-d8 (S)		102	%.	86-110	1		11/21/16 12:58	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1619(33-36)		Lab ID: 50158885004	Collected: 11/11/16 11:20	Received: 11/11/16 16:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/21/16 13:31	67-64-1	
Benzene	ND	ug/L	5.0	1		11/21/16 13:31	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/21/16 13:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/21/16 13:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/21/16 13:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/21/16 13:31	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/21/16 13:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/21/16 13:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/21/16 13:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/21/16 13:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/21/16 13:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/21/16 13:31	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/21/16 13:31	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/21/16 13:31	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/21/16 13:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/21/16 13:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 13:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 13:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 13:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/21/16 13:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/21/16 13:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/21/16 13:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/21/16 13:31	75-35-4	
cis-1,2-Dichloroethene	9.5	ug/L	5.0	1		11/21/16 13:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/21/16 13:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/21/16 13:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 13:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 13:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/21/16 13:31	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/21/16 13:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/21/16 13:31	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/21/16 13:31	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/21/16 13:31	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/21/16 13:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/21/16 13:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/21/16 13:31	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/21/16 13:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/21/16 13:31	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/21/16 13:31	127-18-4	
Toluene	ND	ug/L	5.0	1		11/21/16 13:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/21/16 13:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/21/16 13:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/21/16 13:31	79-00-5	
Trichloroethene	0.98J	ug/L	5.0	1		11/21/16 13:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/21/16 13:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/21/16 13:31	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/21/16 13:31	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1619(33-36)		Lab ID: 50158885004		Collected: 11/11/16 11:20		Received: 11/11/16 16:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/21/16 13:31	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		103	%.	84-118	1		11/21/16 13:31	1868-53-7	
4-Bromofluorobenzene (S)		94	%.	79-116	1		11/21/16 13:31	460-00-4	
Toluene-d8 (S)		102	%.	86-110	1		11/21/16 13:31	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1619(30-33)		Lab ID: 50158885005	Collected: 11/11/16 11:35	Received: 11/11/16 16:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/21/16 14:04	67-64-1	
Benzene	ND	ug/L	5.0	1		11/21/16 14:04	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/21/16 14:04	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/21/16 14:04	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/21/16 14:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/21/16 14:04	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/21/16 14:04	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/21/16 14:04	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/21/16 14:04	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/21/16 14:04	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/21/16 14:04	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/21/16 14:04	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/21/16 14:04	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/21/16 14:04	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/21/16 14:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/21/16 14:04	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 14:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 14:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 14:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/21/16 14:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/21/16 14:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/21/16 14:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/21/16 14:04	75-35-4	
cis-1,2-Dichloroethene	43.1	ug/L	5.0	1		11/21/16 14:04	156-59-2	
trans-1,2-Dichloroethene	4.2J	ug/L	5.0	1		11/21/16 14:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/21/16 14:04	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 14:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 14:04	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/21/16 14:04	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/21/16 14:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/21/16 14:04	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/21/16 14:04	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/21/16 14:04	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/21/16 14:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/21/16 14:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/21/16 14:04	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/21/16 14:04	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/21/16 14:04	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/21/16 14:04	127-18-4	
Toluene	ND	ug/L	5.0	1		11/21/16 14:04	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/21/16 14:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/21/16 14:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/21/16 14:04	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/21/16 14:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/21/16 14:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/21/16 14:04	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/21/16 14:04	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1619(30-33)		Lab ID: 50158885005		Collected: 11/11/16 11:35		Received: 11/11/16 16:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/21/16 14:04	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	84-118	1		11/21/16 14:04	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/21/16 14:04	460-00-4	
Toluene-d8 (S)		102	%.	86-110	1		11/21/16 14:04	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1619(27-30)		Lab ID: 50158885006	Collected: 11/11/16 11:50	Received: 11/11/16 16:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/21/16 14:36	67-64-1	
Benzene	ND	ug/L	5.0	1		11/21/16 14:36	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/21/16 14:36	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/21/16 14:36	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/21/16 14:36	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/21/16 14:36	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/21/16 14:36	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/21/16 14:36	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/21/16 14:36	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/21/16 14:36	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/21/16 14:36	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/21/16 14:36	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/21/16 14:36	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/21/16 14:36	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/21/16 14:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/21/16 14:36	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 14:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 14:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 14:36	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/21/16 14:36	75-71-8	
1,1-Dichloroethane	3.4J	ug/L	5.0	1		11/21/16 14:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/21/16 14:36	107-06-2	
1,1-Dichloroethene	2.6J	ug/L	5.0	1		11/21/16 14:36	75-35-4	
cis-1,2-Dichloroethene	486	ug/L	50.0	10		11/22/16 15:52	156-59-2	
trans-1,2-Dichloroethene	47.4	ug/L	5.0	1		11/21/16 14:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/21/16 14:36	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 14:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 14:36	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/21/16 14:36	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/21/16 14:36	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/21/16 14:36	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/21/16 14:36	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/21/16 14:36	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/21/16 14:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/21/16 14:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/21/16 14:36	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/21/16 14:36	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/21/16 14:36	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/21/16 14:36	127-18-4	
Toluene	ND	ug/L	5.0	1		11/21/16 14:36	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/21/16 14:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/21/16 14:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/21/16 14:36	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/21/16 14:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/21/16 14:36	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/21/16 14:36	76-13-1	
Vinyl chloride	7.2	ug/L	2.0	1		11/21/16 14:36	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1619(27-30)		Lab ID: 50158885006		Collected: 11/11/16 11:50		Received: 11/11/16 16:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/21/16 14:36	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	105	%.	84-118	1		11/21/16 14:36	1868-53-7		
4-Bromofluorobenzene (S)	95	%.	79-116	1		11/21/16 14:36	460-00-4		
Toluene-d8 (S)	102	%.	86-110	1		11/21/16 14:36	2037-26-5		

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1619(24-27)		Lab ID: 50158885007	Collected: 11/11/16 12:00	Received: 11/11/16 16:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/21/16 15:09	67-64-1	
Benzene	ND	ug/L	5.0	1		11/21/16 15:09	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/21/16 15:09	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/21/16 15:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/21/16 15:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/21/16 15:09	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/21/16 15:09	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/21/16 15:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/21/16 15:09	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/21/16 15:09	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/21/16 15:09	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/21/16 15:09	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/21/16 15:09	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/21/16 15:09	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/21/16 15:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/21/16 15:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 15:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 15:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 15:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/21/16 15:09	75-71-8	
1,1-Dichloroethane	7.5	ug/L	5.0	1		11/21/16 15:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/21/16 15:09	107-06-2	
1,1-Dichloroethene	3.7J	ug/L	5.0	1		11/21/16 15:09	75-35-4	
cis-1,2-Dichloroethene	857	ug/L	100	20		11/22/16 15:20	156-59-2	
trans-1,2-Dichloroethene	73.0	ug/L	5.0	1		11/21/16 15:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/21/16 15:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 15:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 15:09	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/21/16 15:09	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/21/16 15:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/21/16 15:09	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/21/16 15:09	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/21/16 15:09	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/21/16 15:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/21/16 15:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/21/16 15:09	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/21/16 15:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/21/16 15:09	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/21/16 15:09	127-18-4	
Toluene	ND	ug/L	5.0	1		11/21/16 15:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/21/16 15:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/21/16 15:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/21/16 15:09	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/21/16 15:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/21/16 15:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/21/16 15:09	76-13-1	
Vinyl chloride	12.0	ug/L	2.0	1		11/21/16 15:09	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1619(24-27)		Lab ID: 50158885007		Collected: 11/11/16 12:00		Received: 11/11/16 16:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/21/16 15:09	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		103	%.	84-118	1		11/21/16 15:09	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/21/16 15:09	460-00-4	
Toluene-d8 (S)		104	%.	86-110	1		11/21/16 15:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1619(21-24)		Lab ID: 50158885008	Collected: 11/11/16 12:10	Received: 11/11/16 16:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/21/16 15:42	67-64-1	
Benzene	ND	ug/L	5.0	1		11/21/16 15:42	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/21/16 15:42	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/21/16 15:42	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/21/16 15:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/21/16 15:42	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/21/16 15:42	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/21/16 15:42	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/21/16 15:42	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/21/16 15:42	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/21/16 15:42	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/21/16 15:42	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/21/16 15:42	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/21/16 15:42	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/21/16 15:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/21/16 15:42	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 15:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 15:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 15:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/21/16 15:42	75-71-8	
1,1-Dichloroethane	15.6	ug/L	5.0	1		11/21/16 15:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/21/16 15:42	107-06-2	
1,1-Dichloroethene	3.0J	ug/L	5.0	1		11/21/16 15:42	75-35-4	
cis-1,2-Dichloroethene	852	ug/L	50.0	10		11/22/16 14:47	156-59-2	
trans-1,2-Dichloroethene	43.1	ug/L	5.0	1		11/21/16 15:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/21/16 15:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 15:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 15:42	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/21/16 15:42	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/21/16 15:42	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/21/16 15:42	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/21/16 15:42	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/21/16 15:42	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/21/16 15:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/21/16 15:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/21/16 15:42	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/21/16 15:42	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/21/16 15:42	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/21/16 15:42	127-18-4	
Toluene	ND	ug/L	5.0	1		11/21/16 15:42	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/21/16 15:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/21/16 15:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/21/16 15:42	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/21/16 15:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/21/16 15:42	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/21/16 15:42	76-13-1	
Vinyl chloride	12.3	ug/L	2.0	1		11/21/16 15:42	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1619(21-24)		Lab ID: 50158885008		Collected: 11/11/16 12:10		Received: 11/11/16 16:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/21/16 15:42	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	100	%.	84-118	1		11/21/16 15:42	1868-53-7		
4-Bromofluorobenzene (S)	97	%.	79-116	1		11/21/16 15:42	460-00-4		
Toluene-d8 (S)	99	%.	86-110	1		11/21/16 15:42	2037-26-5		

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1618(40-43)		Lab ID: 50158885009	Collected: 11/11/16 13:15	Received: 11/11/16 16:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/21/16 16:15	67-64-1	
Benzene	ND	ug/L	5.0	1		11/21/16 16:15	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/21/16 16:15	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/21/16 16:15	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/21/16 16:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/21/16 16:15	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/21/16 16:15	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/21/16 16:15	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/21/16 16:15	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/21/16 16:15	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/21/16 16:15	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/21/16 16:15	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/21/16 16:15	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/21/16 16:15	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/21/16 16:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/21/16 16:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 16:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 16:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 16:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/21/16 16:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/21/16 16:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/21/16 16:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/21/16 16:15	75-35-4	
cis-1,2-Dichloroethene	57.3	ug/L	5.0	1		11/21/16 16:15	156-59-2	
trans-1,2-Dichloroethene	2.4J	ug/L	5.0	1		11/21/16 16:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/21/16 16:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 16:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 16:15	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/21/16 16:15	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/21/16 16:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/21/16 16:15	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/21/16 16:15	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/21/16 16:15	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/21/16 16:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/21/16 16:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/21/16 16:15	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/21/16 16:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/21/16 16:15	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/21/16 16:15	127-18-4	
Toluene	ND	ug/L	5.0	1		11/21/16 16:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/21/16 16:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/21/16 16:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/21/16 16:15	79-00-5	
Trichloroethene	25.1	ug/L	5.0	1		11/21/16 16:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/21/16 16:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/21/16 16:15	76-13-1	
Vinyl chloride	1.2J	ug/L	2.0	1		11/21/16 16:15	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1618(40-43)		Lab ID: 50158885009		Collected: 11/11/16 13:15		Received: 11/11/16 16:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/21/16 16:15	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		104	%.	84-118	1		11/21/16 16:15	1868-53-7	
4-Bromofluorobenzene (S)		97	%.	79-116	1		11/21/16 16:15	460-00-4	
Toluene-d8 (S)		103	%.	86-110	1		11/21/16 16:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1618(37-40)		Lab ID: 50158885010	Collected: 11/11/16 13:30	Received: 11/11/16 16:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/21/16 16:47	67-64-1	
Benzene	ND	ug/L	5.0	1		11/21/16 16:47	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/21/16 16:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/21/16 16:47	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/21/16 16:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/21/16 16:47	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/21/16 16:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/21/16 16:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/21/16 16:47	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/21/16 16:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/21/16 16:47	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/21/16 16:47	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/21/16 16:47	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/21/16 16:47	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/21/16 16:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/21/16 16:47	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 16:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 16:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 16:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/21/16 16:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/21/16 16:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/21/16 16:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/21/16 16:47	75-35-4	
cis-1,2-Dichloroethene	6.4	ug/L	5.0	1		11/21/16 16:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/21/16 16:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/21/16 16:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 16:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 16:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/21/16 16:47	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/21/16 16:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/21/16 16:47	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/21/16 16:47	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/21/16 16:47	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/21/16 16:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/21/16 16:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/21/16 16:47	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/21/16 16:47	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/21/16 16:47	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/21/16 16:47	127-18-4	
Toluene	ND	ug/L	5.0	1		11/21/16 16:47	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/21/16 16:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/21/16 16:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/21/16 16:47	79-00-5	
Trichloroethene	5.1	ug/L	5.0	1		11/21/16 16:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/21/16 16:47	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/21/16 16:47	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/21/16 16:47	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1618(37-40)		Lab ID: 50158885010		Collected: 11/11/16 13:30		Received: 11/11/16 16:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/21/16 16:47	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	102	%.	84-118	1		11/21/16 16:47	1868-53-7		
4-Bromofluorobenzene (S)	98	%.	79-116	1		11/21/16 16:47	460-00-4		
Toluene-d8 (S)	100	%.	86-110	1		11/21/16 16:47	2037-26-5		

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1618(34-37)		Lab ID: 50158885011	Collected: 11/11/16 13:50	Received: 11/11/16 16:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/21/16 17:20	67-64-1	
Benzene	ND	ug/L	5.0	1		11/21/16 17:20	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/21/16 17:20	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/21/16 17:20	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/21/16 17:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/21/16 17:20	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/21/16 17:20	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/21/16 17:20	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/21/16 17:20	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/21/16 17:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/21/16 17:20	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/21/16 17:20	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/21/16 17:20	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/21/16 17:20	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/21/16 17:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/21/16 17:20	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 17:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 17:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 17:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/21/16 17:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/21/16 17:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/21/16 17:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/21/16 17:20	75-35-4	
cis-1,2-Dichloroethene	16.7	ug/L	5.0	1		11/21/16 17:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/21/16 17:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/21/16 17:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 17:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 17:20	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/21/16 17:20	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/21/16 17:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/21/16 17:20	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/21/16 17:20	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/21/16 17:20	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/21/16 17:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/21/16 17:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/21/16 17:20	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/21/16 17:20	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/21/16 17:20	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/21/16 17:20	127-18-4	
Toluene	ND	ug/L	5.0	1		11/21/16 17:20	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/21/16 17:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/21/16 17:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/21/16 17:20	79-00-5	
Trichloroethene	7.9	ug/L	5.0	1		11/21/16 17:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/21/16 17:20	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/21/16 17:20	76-13-1	
Vinyl chloride	0.59J	ug/L	2.0	1		11/21/16 17:20	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1618(34-37)		Lab ID: 50158885011		Collected: 11/11/16 13:50		Received: 11/11/16 16:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/21/16 17:20	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	84-118	1		11/21/16 17:20	1868-53-7	
4-Bromofluorobenzene (S)		103	%.	79-116	1		11/21/16 17:20	460-00-4	
Toluene-d8 (S)		100	%.	86-110	1		11/21/16 17:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1618(31-34)		Lab ID: 50158885012	Collected: 11/11/16 14:10	Received: 11/11/16 16:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/21/16 17:53	67-64-1	
Benzene	ND	ug/L	5.0	1		11/21/16 17:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/21/16 17:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/21/16 17:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/21/16 17:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/21/16 17:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/21/16 17:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/21/16 17:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/21/16 17:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/21/16 17:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/21/16 17:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/21/16 17:53	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/21/16 17:53	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/21/16 17:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/21/16 17:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/21/16 17:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 17:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 17:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 17:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/21/16 17:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/21/16 17:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/21/16 17:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/21/16 17:53	75-35-4	
cis-1,2-Dichloroethene	50.4	ug/L	5.0	1		11/21/16 17:53	156-59-2	
trans-1,2-Dichloroethene	1.6J	ug/L	5.0	1		11/21/16 17:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/21/16 17:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 17:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 17:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/21/16 17:53	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/21/16 17:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/21/16 17:53	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/21/16 17:53	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/21/16 17:53	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/21/16 17:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/21/16 17:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/21/16 17:53	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/21/16 17:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/21/16 17:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/21/16 17:53	127-18-4	
Toluene	ND	ug/L	5.0	1		11/21/16 17:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/21/16 17:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/21/16 17:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/21/16 17:53	79-00-5	
Trichloroethene	10.3	ug/L	5.0	1		11/21/16 17:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/21/16 17:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/21/16 17:53	76-13-1	
Vinyl chloride	1.8J	ug/L	2.0	1		11/21/16 17:53	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1618(31-34)		Lab ID: 50158885012		Collected: 11/11/16 14:10		Received: 11/11/16 16:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/21/16 17:53	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		106	%.	84-118	1		11/21/16 17:53	1868-53-7	
4-Bromofluorobenzene (S)		100	%.	79-116	1		11/21/16 17:53	460-00-4	
Toluene-d8 (S)		102	%.	86-110	1		11/21/16 17:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1618(27-30)		Lab ID: 50158885013	Collected: 11/11/16 14:30	Received: 11/11/16 16:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/21/16 18:59	67-64-1	
Benzene	ND	ug/L	5.0	1		11/21/16 18:59	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/21/16 18:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/21/16 18:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/21/16 18:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/21/16 18:59	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/21/16 18:59	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/21/16 18:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/21/16 18:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/21/16 18:59	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/21/16 18:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/21/16 18:59	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/21/16 18:59	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/21/16 18:59	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/21/16 18:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/21/16 18:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 18:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 18:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 18:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/21/16 18:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/21/16 18:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/21/16 18:59	107-06-2	
1,1-Dichloroethene	1.9J	ug/L	5.0	1		11/21/16 18:59	75-35-4	
cis-1,2-Dichloroethene	533	ug/L	100	20		11/21/16 19:32	156-59-2	
trans-1,2-Dichloroethene	21.2	ug/L	5.0	1		11/21/16 18:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/21/16 18:59	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 18:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 18:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/21/16 18:59	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/21/16 18:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/21/16 18:59	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/21/16 18:59	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/21/16 18:59	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/21/16 18:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/21/16 18:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/21/16 18:59	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/21/16 18:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/21/16 18:59	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/21/16 18:59	127-18-4	
Toluene	ND	ug/L	5.0	1		11/21/16 18:59	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/21/16 18:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/21/16 18:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/21/16 18:59	79-00-5	
Trichloroethene	133	ug/L	5.0	1		11/21/16 18:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/21/16 18:59	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/21/16 18:59	76-13-1	
Vinyl chloride	25.5	ug/L	2.0	1		11/21/16 18:59	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: SB-1618(27-30)		Lab ID: 50158885013		Collected: 11/11/16 14:30		Received: 11/11/16 16:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/21/16 18:59	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		102	%.	84-118	1		11/21/16 18:59	1868-53-7	
4-Bromofluorobenzene (S)		102	%.	79-116	1		11/21/16 18:59	460-00-4	
Toluene-d8 (S)		102	%.	86-110	1		11/21/16 18:59	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: DUP-05(111116)		Lab ID: 50158885014		Collected: 11/11/16 08:00		Received: 11/11/16 16:10		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	1		11/21/16 20:04	67-64-1		
Benzene	ND	ug/L	5.0	1		11/21/16 20:04	71-43-2		
Bromodichloromethane	ND	ug/L	5.0	1		11/21/16 20:04	75-27-4		
Bromoform	ND	ug/L	5.0	1		11/21/16 20:04	75-25-2		
Bromomethane	ND	ug/L	5.0	1		11/21/16 20:04	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		11/21/16 20:04	78-93-3		
Carbon disulfide	ND	ug/L	10.0	1		11/21/16 20:04	75-15-0		
Carbon tetrachloride	ND	ug/L	5.0	1		11/21/16 20:04	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		11/21/16 20:04	108-90-7		
Chloroethane	ND	ug/L	5.0	1		11/21/16 20:04	75-00-3		
Chloroform	ND	ug/L	5.0	1		11/21/16 20:04	67-66-3		
Chloromethane	ND	ug/L	5.0	1		11/21/16 20:04	74-87-3		
Cyclohexane	ND	ug/L	100	1		11/21/16 20:04	110-82-7	N2	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/21/16 20:04	96-12-8		
Dibromochloromethane	ND	ug/L	5.0	1		11/21/16 20:04	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/21/16 20:04	106-93-4		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 20:04	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 20:04	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/21/16 20:04	106-46-7		
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/21/16 20:04	75-71-8		
1,1-Dichloroethane	ND	ug/L	5.0	1		11/21/16 20:04	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		11/21/16 20:04	107-06-2		
1,1-Dichloroethene	ND	ug/L	5.0	1		11/21/16 20:04	75-35-4		
cis-1,2-Dichloroethene	22.8	ug/L	5.0	1		11/21/16 20:04	156-59-2	D6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/21/16 20:04	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		11/21/16 20:04	78-87-5		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 20:04	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/21/16 20:04	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		11/21/16 20:04	100-41-4		
2-Hexanone	ND	ug/L	25.0	1		11/21/16 20:04	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/21/16 20:04	98-82-8		
Methyl acetate	ND	ug/L	50.0	1		11/21/16 20:04	79-20-9	N2	
Methylcyclohexane	ND	ug/L	50.0	1		11/21/16 20:04	108-87-2	N2	
Methylene Chloride	ND	ug/L	5.0	1		11/21/16 20:04	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/21/16 20:04	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/21/16 20:04	1634-04-4		
Styrene	ND	ug/L	5.0	1		11/21/16 20:04	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/21/16 20:04	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		11/21/16 20:04	127-18-4		
Toluene	ND	ug/L	5.0	1		11/21/16 20:04	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/21/16 20:04	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/21/16 20:04	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/21/16 20:04	79-00-5		
Trichloroethene	10.3	ug/L	5.0	1		11/21/16 20:04	79-01-6	D6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/21/16 20:04	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/21/16 20:04	76-13-1		
Vinyl chloride	ND	ug/L	2.0	1		11/21/16 20:04	75-01-4		

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50158885

Sample: DUP-05(111116)		Lab ID: 50158885014		Collected: 11/11/16 08:00		Received: 11/11/16 16:10		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/21/16 20:04	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		99	%.	84-118	1		11/21/16 20:04	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/21/16 20:04	460-00-4	
Toluene-d8 (S)		101	%.	86-110	1		11/21/16 20:04	2037-26-5	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50158885

QC Batch:	362976	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	50158885001, 50158885002, 50158885003, 50158885004, 50158885005, 50158885006, 50158885007, 50158885008, 50158885009, 50158885010, 50158885011, 50158885012, 50158885013, 50158885014		

METHOD BLANK:	1677430	Matrix:	Water
Associated Lab Samples:	50158885001, 50158885002, 50158885003, 50158885004, 50158885005, 50158885006, 50158885007, 50158885008, 50158885009, 50158885010, 50158885011, 50158885012, 50158885013, 50158885014		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/21/16 11:19	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/21/16 11:19	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/21/16 11:19	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/21/16 11:19	
1,1-Dichloroethane	ug/L	ND	5.0	11/21/16 11:19	
1,1-Dichloroethene	ug/L	ND	5.0	11/21/16 11:19	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/21/16 11:19	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/21/16 11:19	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/21/16 11:19	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/21/16 11:19	
1,2-Dichloroethane	ug/L	ND	5.0	11/21/16 11:19	
1,2-Dichloropropane	ug/L	ND	5.0	11/21/16 11:19	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/21/16 11:19	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/21/16 11:19	
2-Butanone (MEK)	ug/L	ND	25.0	11/21/16 11:19	
2-Hexanone	ug/L	ND	25.0	11/21/16 11:19	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/21/16 11:19	
Acetone	ug/L	ND	100	11/21/16 11:19	
Benzene	ug/L	ND	5.0	11/21/16 11:19	
Bromodichloromethane	ug/L	ND	5.0	11/21/16 11:19	
Bromoform	ug/L	ND	5.0	11/21/16 11:19	
Bromomethane	ug/L	ND	5.0	11/21/16 11:19	
Carbon disulfide	ug/L	ND	10.0	11/21/16 11:19	
Carbon tetrachloride	ug/L	ND	5.0	11/21/16 11:19	
Chlorobenzene	ug/L	ND	5.0	11/21/16 11:19	
Chloroethane	ug/L	ND	5.0	11/21/16 11:19	
Chloroform	ug/L	ND	5.0	11/21/16 11:19	
Chloromethane	ug/L	ND	5.0	11/21/16 11:19	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/21/16 11:19	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/21/16 11:19	
Cyclohexane	ug/L	ND	100	11/21/16 11:19	N2
Dibromochloromethane	ug/L	ND	5.0	11/21/16 11:19	
Dichlorodifluoromethane	ug/L	ND	5.0	11/21/16 11:19	
Ethylbenzene	ug/L	ND	5.0	11/21/16 11:19	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/21/16 11:19	
Methyl acetate	ug/L	ND	50.0	11/21/16 11:19	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/21/16 11:19	
Methylcyclohexane	ug/L	ND	50.0	11/21/16 11:19	N2
Methylene Chloride	ug/L	ND	5.0	11/21/16 11:19	
Styrene	ug/L	ND	5.0	11/21/16 11:19	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50158885

METHOD BLANK: 1677430

Matrix: Water

Associated Lab Samples: 50158885001, 50158885002, 50158885003, 50158885004, 50158885005, 50158885006, 50158885007, 50158885008, 50158885009, 50158885010, 50158885011, 50158885012, 50158885013, 50158885014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	5.0	11/21/16 11:19	
Toluene	ug/L	ND	5.0	11/21/16 11:19	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/21/16 11:19	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/21/16 11:19	
Trichloroethene	ug/L	ND	5.0	11/21/16 11:19	
Trichlorofluoromethane	ug/L	ND	5.0	11/21/16 11:19	
Vinyl chloride	ug/L	ND	2.0	11/21/16 11:19	
Xylene (Total)	ug/L	ND	10.0	11/21/16 11:19	
4-Bromofluorobenzene (S)	%	95	79-116	11/21/16 11:19	
Dibromofluoromethane (S)	%	100	84-118	11/21/16 11:19	
Toluene-d8 (S)	%	99	86-110	11/21/16 11:19	

LABORATORY CONTROL SAMPLE: 1677431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.6	91	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	48.4	97	72-124	
1,1,2-Trichloroethane	ug/L	50	47.6	95	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	46.7	93	80-111	
1,1-Dichloroethane	ug/L	50	46.6	93	70-120	
1,1-Dichloroethene	ug/L	50	39.9	80	69-127	
1,2,4-Trichlorobenzene	ug/L	50	48.1	96	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	53.3	107	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	48.1	96	76-125	
1,2-Dichlorobenzene	ug/L	50	45.4	91	77-122	
1,2-Dichloroethane	ug/L	50	43.7	87	70-123	
1,2-Dichloropropane	ug/L	50	47.6	95	77-124	
1,3-Dichlorobenzene	ug/L	50	44.9	90	76-124	
1,4-Dichlorobenzene	ug/L	50	42.0	84	75-117	
2-Butanone (MEK)	ug/L	250	302	121	60-135	
2-Hexanone	ug/L	250	305	122	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	278	111	66-134	
Acetone	ug/L	250	291	116	47-144	
Benzene	ug/L	50	43.8	88	76-122	
Bromodichloromethane	ug/L	50	50.4	101	71-124	
Bromoform	ug/L	50	49.8	100	60-125	
Bromomethane	ug/L	50	46.8	94	23-194	
Carbon disulfide	ug/L	50	44.8	90	63-130	
Carbon tetrachloride	ug/L	50	48.5	97	73-133	
Chlorobenzene	ug/L	50	43.7	87	76-118	
Chloroethane	ug/L	50	46.7	93	50-147	
Chloroform	ug/L	50	45.1	90	70-119	
Chloromethane	ug/L	50	39.9	80	52-136	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50158885

LABORATORY CONTROL SAMPLE: 1677431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	46.5	93	74-120	
cis-1,3-Dichloropropene	ug/L	50	50.7	101	71-134	
Cyclohexane	ug/L	50	45.9J	92	86-122	N2
Dibromochloromethane	ug/L	50	53.5	107	73-127	
Dichlorodifluoromethane	ug/L	50	50.6	101	39-166	
Ethylbenzene	ug/L	50	47.9	96	75-123	
Isopropylbenzene (Cumene)	ug/L	50	47.9	96	84-134	
Methyl acetate	ug/L	50	49.5J	99	68-192	N2
Methyl-tert-butyl ether	ug/L	50	48.1	96	65-131	
Methylcyclohexane	ug/L	50	50.2	100	89-122	N2
Methylene Chloride	ug/L	50	45.6	91	66-130	
Styrene	ug/L	50	50.3	101	78-128	
Tetrachloroethene	ug/L	50	43.6	87	69-119	
Toluene	ug/L	50	42.1	84	74-122	
trans-1,2-Dichloroethene	ug/L	50	44.9	90	72-122	
trans-1,3-Dichloropropene	ug/L	50	53.2	106	66-135	
Trichloroethene	ug/L	50	44.5	89	75-123	
Trichlorofluoromethane	ug/L	50	51.1	102	58-148	
Vinyl chloride	ug/L	50	49.1	98	61-147	
Xylene (Total)	ug/L	150	138	92	75-127	
4-Bromofluorobenzene (S)	%			102	79-116	
Dibromofluoromethane (S)	%			103	84-118	
Toluene-d8 (S)	%			99	86-110	

MATRIX SPIKE SAMPLE: 1677432

Parameter	Units	50158885012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	47.0	94	51-140	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	44.8	90	49-138	
1,1,2-Trichloroethane	ug/L	ND	50	46.4	93	51-138	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	49.8	100	59-124	
1,1-Dichloroethane	ug/L	ND	50	49.3	99	48-137	
1,1-Dichloroethene	ug/L	ND	50	45.3	91	51-144	
1,2,4-Trichlorobenzene	ug/L	ND	50	43.6	87	27-134	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	46.9	94	37-127	
1,2-Dibromoethane (EDB)	ug/L	ND	50	47.2	94	52-134	
1,2-Dichlorobenzene	ug/L	ND	50	43.9	88	38-138	
1,2-Dichloroethane	ug/L	ND	50	44.8	90	44-144	
1,2-Dichloropropane	ug/L	ND	50	47.5	95	56-138	
1,3-Dichlorobenzene	ug/L	ND	50	42.3	85	36-139	
1,4-Dichlorobenzene	ug/L	ND	50	38.8	78	34-134	
2-Butanone (MEK)	ug/L	ND	250	241	96	44-142	
2-Hexanone	ug/L	ND	250	256	102	43-150	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	256	102	46-143	
Acetone	ug/L	ND	250	196	78	33-150	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50158885

MATRIX SPIKE SAMPLE: 1677432		50158885012	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Benzene	ug/L	ND	50	46.2	92	51-140	
Bromodichloromethane	ug/L	ND	50	50.1	100	46-137	
Bromoform	ug/L	ND	50	42.4	85	36-127	
Bromomethane	ug/L	ND	50	38.3	77	10-188	
Carbon disulfide	ug/L	ND	50	49.5	99	35-148	
Carbon tetrachloride	ug/L	ND	50	48.5	97	45-151	
Chlorobenzene	ug/L	ND	50	42.9	86	45-138	
Chloroethane	ug/L	ND	50	52.3	105	33-164	
Chloroform	ug/L	ND	50	47.1	94	50-135	
Chloromethane	ug/L	ND	50	50.4	101	38-146	
cis-1,2-Dichloroethene	ug/L	50.4	50	95.8	91	43-144	
cis-1,3-Dichloropropene	ug/L	ND	50	48.1	96	42-136	
Cyclohexane	ug/L	ND	50	49.5J	99	67-139	N2
Dibromochloromethane	ug/L	ND	50	50.6	101	45-136	
Dichlorodifluoromethane	ug/L	ND	50	57.7	115	29-174	
Ethylbenzene	ug/L	ND	50	47.2	94	36-146	
Isopropylbenzene (Cumene)	ug/L	ND	50	46.5	93	43-159	
Methyl acetate	ug/L	ND	50	44.7J	89	33-183	N2
Methyl-tert-butyl ether	ug/L	ND	50	48.9	98	43-146	
Methylcyclohexane	ug/L	ND	50	51.0	102	60-140	N2
Methylene Chloride	ug/L	ND	50	49.1	98	48-140	
Styrene	ug/L	ND	50	49.2	98	31-148	
Tetrachloroethene	ug/L	ND	50	43.3	87	38-139	
Toluene	ug/L	ND	50	43.0	86	44-140	
trans-1,2-Dichloroethene	ug/L	1.6J	50	46.8	90	50-139	
trans-1,3-Dichloropropene	ug/L	ND	50	50.2	100	37-138	
Trichloroethene	ug/L	10.3	50	57.0	93	44-146	
Trichlorofluoromethane	ug/L	ND	50	55.5	111	41-164	
Vinyl chloride	ug/L	1.8J	50	55.8	108	43-166	
Xylene (Total)	ug/L	ND	150	133	88	35-146	
4-Bromofluorobenzene (S)	%				104	79-116	
Dibromofluoromethane (S)	%				99	84-118	
Toluene-d8 (S)	%				99	86-110	

SAMPLE DUPLICATE: 1677433

Parameter	Units	50158885014	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50158885

SAMPLE DUPLICATE: 1677433

Parameter	Units	50158885014 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	22.8	15.1	40	20	D6
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Cyclohexane	ug/L	ND	ND		20	N2
Dibromochloromethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl acetate	ug/L	ND	ND		20	N2
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylcyclohexane	ug/L	ND	ND		20	N2
Methylene Chloride	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
Trichloroethene	ug/L	10.3	7.2	35	20	D6
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl chloride	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%.	98	97	0		
Dibromofluoromethane (S)	%.	99	102	3		
Toluene-d8 (S)	%.	101	102	1		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Racer-Kokomo
Pace Project No.: 50158885

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Racer-Kokomo

Pace Project No.: 50158885

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50158885001	TB-01(111116)	EPA 8260	362976		
50158885002	SB-1619(39-42)	EPA 8260	362976		
50158885003	SB-1619(36-39)	EPA 8260	362976		
50158885004	SB-1619(33-36)	EPA 8260	362976		
50158885005	SB-1619(30-33)	EPA 8260	362976		
50158885006	SB-1619(27-30)	EPA 8260	362976		
50158885007	SB-1619(24-27)	EPA 8260	362976		
50158885008	SB-1619(21-24)	EPA 8260	362976		
50158885009	SB-1618(40-43)	EPA 8260	362976		
50158885010	SB-1618(37-40)	EPA 8260	362976		
50158885011	SB-1618(34-37)	EPA 8260	362976		
50158885012	SB-1618(31-34)	EPA 8260	362976		
50158885013	SB-1618(27-30)	EPA 8260	362976		
50158885014	DUP-05(111116)	EPA 8260	362976		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt



Client Name: ARCADIS

Project # 50158885

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Thermometer 1 2 3 4 5 6 A B C D E F

Type of Ice: Wet Blue None

☒ Samples on ice, cooling process has begun

Cooler Temperature (Initial/Corrected) 10.4/10.4°C

Ice Visible in Sample Containers: ☐ yes ☐ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: ML 11-11-16

Are samples from West Virginia?	☐ Yes ☒ No	1.
Document any containers out of temp.		
Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	3.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	4.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	7.
Containers Intact:	☒ Yes ☐ No ☐ N/A	8.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	9.
-Includes date/time/ID/Analysis		
All containers needing acid/base pres. have been checked?	☐ Yes ☐ No ☒ N/A	10
exceptions: VOA, coliform, TOC, O&G		
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12. Present Absent
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	13
Headspace Wisconsin Sulfide	☐ Yes ☐ No	14
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	15
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	15.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	16.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	17.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

Project Manager Review:

Kenneth Hunt

Date: 11/12/16

CLIENT: ARCADIS

COC PAGE 1 of 2

COC ID# 2159050

Bulk
Kit

Project #

5015885

Matrix S1M/Of
(Soil/Water/Other)

AG1U WGEU AG0U R 4 / 6 BP2N BP2U BP3N BP3U BP3S AG3S AG1H BP3C BP1U SP5T AG2U

$\text{pH} < 2$ $\text{pH} > 9$ $\text{pH} > 12$

[illegible]

Container Codes								
DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial	
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial	
WG9U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial	
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial	
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate	
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide	
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can	
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial	
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial	
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial	
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL	
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe	
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag	

CLIENT: ARCADIS

COC ID# 2159031

Project #

50,5885

Matrix SI/W/Ot
(Soil/Water/Other)

AC111 WCE11 AC011 B 4 1/6 BP2N BP211 BP2S BP3N BP3U BP3S AG3S AG1H BP3C BP1U SP5T AG2U

pH < 2 pH > 9 pH > 12

[illegible]

Container Codes							
DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG9U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2Q	500mL NaOH plastic	JG9U	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WG9X	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

November 28, 2016

Jesse Wright
Arcadis U.S., Inc.
132 E. Washington Street
Suite 600
Indianapolis, IN 46204

RE: Project: Racer-Kokomo
Pace Project No.: 50159066

Dear Jesse Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on November 15, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kelly Jones
kelly.jones@pacelabs.com
Project Manager

Enclosures

cc: Ms. Sarah Fisher, Arcadis
Mr. Matt Griles, Arcadis U.S., Inc.
Mr. Luke Martin, Arcadis
Ms. Lauren Werckenthien, Arcadis



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Racer-Kokomo

Pace Project No.: 50159066

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 003971

Indiana Certification #: C-49-06

Kansas/NELAP Certification #: E-10177

Kentucky UST Certification #: 80226

Kentucky WW Certification #: 98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2016-075

Texas Certification #: T104704355-16-10

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-16-00257

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Racer-Kokomo

Pace Project No.: 50159066

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50159066001	TB-01 (111416)	Water	11/14/16 12:20	11/15/16 15:30
50159066002	SB-1611 (28-31)	Water	11/14/16 12:20	11/15/16 15:30
50159066003	SB-1611 (25-28)	Water	11/14/16 12:30	11/15/16 15:30
50159066004	SB-1611 (22-25)	Water	11/14/16 12:40	11/15/16 15:30
50159066005	SB-1611 (19-22)	Water	11/14/16 12:55	11/15/16 15:30
50159066006	SB-1611 (16-19)	Water	11/14/16 13:05	11/15/16 15:30
50159066007	SB-1613 (31-34)	Water	11/14/16 14:35	11/15/16 15:30
50159066008	SB-1613 (28-31)	Water	11/14/16 14:45	11/15/16 15:30
50159066009	SB-1613 (25-28)	Water	11/14/16 14:55	11/15/16 15:30
50159066010	SB-1613 (22-25)	Water	11/14/16 15:05	11/15/16 15:30
50159066011	SB-1613 (19-22)	Water	11/14/16 15:15	11/15/16 15:30
50159066012	SB-1617 (34-37)	Water	11/14/16 16:15	11/15/16 15:30
50159066013	SB-1617 (31-34)	Water	11/14/16 16:30	11/15/16 15:30
50159066014	SB-1617 (28-31)	Water	11/14/16 16:45	11/15/16 15:30
50159066015	SB-1617 (25-28)	Water	11/14/16 16:55	11/15/16 15:30
50159066016	SB-1617 (18-21)	Water	11/14/16 17:25	11/15/16 15:30
50159066017	SB-1620 (28-31)	Water	11/15/16 09:30	11/15/16 15:30
50159066018	SB-1620 (25-28)	Water	11/15/16 09:50	11/15/16 15:30
50159066019	SB-1620 (22-25)	Water	11/15/16 10:10	11/15/16 15:30
50159066020	SB-1620 (18-21)	Water	11/15/16 10:30	11/15/16 15:30
50159066021	DUP-06 (111516)	Water	11/15/16 08:00	11/15/16 15:30
50159066022	DUP-07 (111516)	Water	11/15/16 08:00	11/15/16 15:30

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SAMPLE ANALYTE COUNT

Project: Racer-Kokomo

Pace Project No.: 50159066

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50159066001	TB-01 (111416)	EPA 8260	CAP	51
50159066002	SB-1611 (28-31)	EPA 8260	CAP	51
50159066003	SB-1611 (25-28)	EPA 8260	CAP	51
50159066004	SB-1611 (22-25)	EPA 8260	CAP	51
50159066005	SB-1611 (19-22)	EPA 8260	CAP	51
50159066006	SB-1611 (16-19)	EPA 8260	CAP	51
50159066007	SB-1613 (31-34)	EPA 8260	CAP	51
50159066008	SB-1613 (28-31)	EPA 8260	CAP	51
50159066009	SB-1613 (25-28)	EPA 8260	CAP	51
50159066010	SB-1613 (22-25)	EPA 8260	CAP	51
50159066011	SB-1613 (19-22)	EPA 8260	CAP	51
50159066012	SB-1617 (34-37)	EPA 8260	CAP	51
50159066013	SB-1617 (31-34)	EPA 8260	CAP	51
50159066014	SB-1617 (28-31)	EPA 8260	CAP	51
50159066015	SB-1617 (25-28)	EPA 8260	CAP	51
50159066016	SB-1617 (18-21)	EPA 8260	CAP	51
50159066017	SB-1620 (28-31)	EPA 8260	CAP	51
50159066018	SB-1620 (25-28)	EPA 8260	CAP	51
50159066019	SB-1620 (22-25)	EPA 8260	CAP	51
50159066020	SB-1620 (18-21)	EPA 8260	CAP	51
50159066021	DUP-06 (111516)	EPA 8260	CAP	51
50159066022	DUP-07 (111516)	EPA 8260	CAP	51

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Racer-Kokomo

Pace Project No.: 50159066

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50159066001	TB-01 (111416)					
EPA 8260	Methylene Chloride	1.9J	ug/L	5.0	11/17/16 18:37	
50159066002	SB-1611 (28-31)					
EPA 8260	cis-1,2-Dichloroethene	13.1	ug/L	5.0	11/17/16 19:06	
EPA 8260	Trichloroethene	10.5	ug/L	5.0	11/17/16 19:06	
50159066003	SB-1611 (25-28)					
EPA 8260	1,1-Dichloroethane	0.95J	ug/L	5.0	11/17/16 19:36	
EPA 8260	cis-1,2-Dichloroethene	41.6	ug/L	5.0	11/17/16 19:36	
EPA 8260	trans-1,2-Dichloroethene	12.5	ug/L	5.0	11/17/16 19:36	
EPA 8260	Trichloroethene	112	ug/L	5.0	11/17/16 19:36	
EPA 8260	Vinyl chloride	1.1J	ug/L	2.0	11/17/16 19:36	
50159066004	SB-1611 (22-25)					
EPA 8260	Benzene	0.29J	ug/L	5.0	11/17/16 20:05	
EPA 8260	1,1-Dichloroethane	1.5J	ug/L	5.0	11/17/16 20:05	
EPA 8260	cis-1,2-Dichloroethene	122	ug/L	5.0	11/17/16 20:05	
EPA 8260	trans-1,2-Dichloroethene	42.2	ug/L	5.0	11/17/16 20:05	
EPA 8260	Toluene	0.24J	ug/L	5.0	11/17/16 20:05	
EPA 8260	Trichloroethene	451	ug/L	50.0	11/18/16 13:22	
EPA 8260	Vinyl chloride	5.5	ug/L	2.0	11/17/16 20:05	
50159066005	SB-1611 (19-22)					
EPA 8260	1,1-Dichloroethane	10.7J	ug/L	50.0	11/18/16 00:58	
EPA 8260	1,1-Dichloroethene	4.8J	ug/L	50.0	11/18/16 00:58	
EPA 8260	cis-1,2-Dichloroethene	803	ug/L	50.0	11/18/16 00:58	
EPA 8260	trans-1,2-Dichloroethene	103	ug/L	50.0	11/18/16 00:58	
EPA 8260	Methylene Chloride	87.0	ug/L	50.0	11/18/16 00:58	
EPA 8260	Toluene	1.9J	ug/L	50.0	11/18/16 00:58	
EPA 8260	Trichloroethene	2650	ug/L	50.0	11/18/16 00:58	
EPA 8260	Vinyl chloride	19.7J	ug/L	20.0	11/18/16 00:58	
50159066006	SB-1611 (16-19)					
EPA 8260	1,1-Dichloroethane	10.1J	ug/L	25.0	11/18/16 01:27	
EPA 8260	1,1-Dichloroethene	5.6J	ug/L	25.0	11/18/16 01:27	
EPA 8260	cis-1,2-Dichloroethene	1010	ug/L	25.0	11/18/16 01:27	
EPA 8260	trans-1,2-Dichloroethene	107	ug/L	25.0	11/18/16 01:27	
EPA 8260	Methylene Chloride	50.8	ug/L	25.0	11/18/16 01:27	
EPA 8260	Trichloroethene	2970	ug/L	125	11/18/16 13:51	
EPA 8260	Vinyl chloride	21.7	ug/L	10.0	11/18/16 01:27	
50159066007	SB-1613 (31-34)					
EPA 8260	cis-1,2-Dichloroethene	3.5J	ug/L	5.0	11/18/16 15:19	
EPA 8260	trans-1,2-Dichloroethene	0.75J	ug/L	5.0	11/18/16 15:19	
EPA 8260	Trichloroethene	11.4	ug/L	5.0	11/18/16 15:19	
50159066008	SB-1613 (28-31)					
EPA 8260	cis-1,2-Dichloroethene	4.4J	ug/L	5.0	11/17/16 21:03	
EPA 8260	Trichloroethene	17.8	ug/L	5.0	11/17/16 21:03	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Racer-Kokomo

Pace Project No.: 50159066

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
50159066009	SB-1613 (25-28)					
EPA 8260	cis-1,2-Dichloroethene	4.1J	ug/L	5.0	11/17/16 21:33	
EPA 8260	trans-1,2-Dichloroethene	0.88J	ug/L	5.0	11/17/16 21:33	
EPA 8260	Trichloroethene	24.1	ug/L	5.0	11/17/16 21:33	
50159066010	SB-1613 (22-25)					
EPA 8260	cis-1,2-Dichloroethene	3.6J	ug/L	5.0	11/17/16 22:02	
EPA 8260	trans-1,2-Dichloroethene	0.34J	ug/L	5.0	11/17/16 22:02	
EPA 8260	Trichloroethene	21.5	ug/L	5.0	11/17/16 22:02	
50159066011	SB-1613 (19-22)					
EPA 8260	1,1-Dichloroethane	1.6J	ug/L	5.0	11/18/16 01:56	
EPA 8260	cis-1,2-Dichloroethene	3.5J	ug/L	5.0	11/18/16 01:56	
EPA 8260	trans-1,2-Dichloroethene	0.36J	ug/L	5.0	11/18/16 01:56	
EPA 8260	Trichloroethene	18.1	ug/L	5.0	11/18/16 01:56	
50159066012	SB-1617 (34-37)					
EPA 8260	cis-1,2-Dichloroethene	1.1J	ug/L	5.0	11/18/16 02:25	
50159066013	SB-1617 (31-34)					
EPA 8260	cis-1,2-Dichloroethene	3.1J	ug/L	5.0	11/18/16 02:54	
50159066014	SB-1617 (28-31)					
EPA 8260	cis-1,2-Dichloroethene	30.4	ug/L	5.0	11/18/16 03:24	
EPA 8260	trans-1,2-Dichloroethene	1.6J	ug/L	5.0	11/18/16 03:24	
50159066015	SB-1617 (25-28)					
EPA 8260	cis-1,2-Dichloroethene	58.4	ug/L	5.0	11/18/16 03:53	
EPA 8260	trans-1,2-Dichloroethene	3.7J	ug/L	5.0	11/18/16 03:53	
EPA 8260	Trichloroethene	0.25J	ug/L	5.0	11/18/16 03:53	
EPA 8260	Vinyl chloride	0.33J	ug/L	2.0	11/18/16 03:53	
50159066016	SB-1617 (18-21)					
EPA 8260	Benzene	0.70J	ug/L	5.0	11/17/16 06:31	
EPA 8260	Bromomethane	0.55J	ug/L	5.0	11/17/16 06:31	
EPA 8260	cis-1,2-Dichloroethene	104	ug/L	5.0	11/17/16 06:31	
EPA 8260	trans-1,2-Dichloroethene	7.0	ug/L	5.0	11/17/16 06:31	
EPA 8260	Trichloroethene	3.3J	ug/L	5.0	11/17/16 06:31	
EPA 8260	Vinyl chloride	33.6	ug/L	2.0	11/17/16 06:31	
50159066017	SB-1620 (28-31)					
EPA 8260	cis-1,2-Dichloroethene	1.9J	ug/L	5.0	11/17/16 07:00	
EPA 8260	trans-1,2-Dichloroethene	0.21J	ug/L	5.0	11/17/16 07:00	
EPA 8260	Toluene	0.28J	ug/L	5.0	11/17/16 07:00	
EPA 8260	Trichloroethene	0.21J	ug/L	5.0	11/17/16 07:00	
50159066018	SB-1620 (25-28)					
EPA 8260	cis-1,2-Dichloroethene	0.94J	ug/L	5.0	11/17/16 07:59	
50159066019	SB-1620 (22-25)					
EPA 8260	cis-1,2-Dichloroethene	2.4J	ug/L	5.0	11/17/16 08:28	

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SUMMARY OF DETECTION

Project: Racer-Kokomo

Pace Project No.: 50159066

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50159066020	SB-1620 (18-21)					
EPA 8260	cis-1,2-Dichloroethene	40.7	ug/L	5.0	11/17/16 08:57	
EPA 8260	trans-1,2-Dichloroethene	8.3	ug/L	5.0	11/17/16 08:57	
EPA 8260	Trichloroethene	0.73J	ug/L	5.0	11/17/16 08:57	
EPA 8260	Vinyl chloride	8.2	ug/L	2.0	11/17/16 08:57	
50159066021	DUP-06 (111516)					
EPA 8260	cis-1,2-Dichloroethene	0.90J	ug/L	5.0	11/17/16 09:27	
50159066022	DUP-07 (111516)					
EPA 8260	cis-1,2-Dichloroethene	2.1J	ug/L	5.0	11/17/16 09:56	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: TB-01 (111416)		Lab ID: 50159066001	Collected: 11/14/16 12:20	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/17/16 18:37	67-64-1	
Benzene	ND	ug/L	5.0	1		11/17/16 18:37	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/17/16 18:37	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/17/16 18:37	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/17/16 18:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/17/16 18:37	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/17/16 18:37	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/17/16 18:37	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/17/16 18:37	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/17/16 18:37	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/17/16 18:37	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/17/16 18:37	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/17/16 18:37	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/17/16 18:37	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/17/16 18:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/17/16 18:37	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 18:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 18:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 18:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/17/16 18:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/17/16 18:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/17/16 18:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/17/16 18:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/17/16 18:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/17/16 18:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/17/16 18:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 18:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 18:37	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/17/16 18:37	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/17/16 18:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/17/16 18:37	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/17/16 18:37	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/17/16 18:37	108-87-2	N2
Methylene Chloride	1.9J	ug/L	5.0	1		11/17/16 18:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/17/16 18:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/17/16 18:37	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/17/16 18:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/17/16 18:37	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/17/16 18:37	127-18-4	
Toluene	ND	ug/L	5.0	1		11/17/16 18:37	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/17/16 18:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/17/16 18:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/17/16 18:37	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/17/16 18:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/17/16 18:37	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/17/16 18:37	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/17/16 18:37	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: TB-01 (111416)		Lab ID: 50159066001	Collected: 11/14/16 12:20	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		11/17/16 18:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	84-118	1		11/17/16 18:37	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	79-116	1		11/17/16 18:37	460-00-4	
Toluene-d8 (S)	99	%.	86-110	1		11/17/16 18:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1611 (28-31)		Lab ID: 50159066002	Collected: 11/14/16 12:20	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/17/16 19:06	67-64-1	
Benzene	ND	ug/L	5.0	1		11/17/16 19:06	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/17/16 19:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/17/16 19:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/17/16 19:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/17/16 19:06	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/17/16 19:06	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/17/16 19:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/17/16 19:06	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/17/16 19:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/17/16 19:06	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/17/16 19:06	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/17/16 19:06	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/17/16 19:06	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/17/16 19:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/17/16 19:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 19:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 19:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 19:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/17/16 19:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/17/16 19:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/17/16 19:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/17/16 19:06	75-35-4	
cis-1,2-Dichloroethene	13.1	ug/L	5.0	1		11/17/16 19:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/17/16 19:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/17/16 19:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 19:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 19:06	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/17/16 19:06	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/17/16 19:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/17/16 19:06	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/17/16 19:06	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/17/16 19:06	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/17/16 19:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/17/16 19:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/17/16 19:06	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/17/16 19:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/17/16 19:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/17/16 19:06	127-18-4	
Toluene	ND	ug/L	5.0	1		11/17/16 19:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/17/16 19:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/17/16 19:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/17/16 19:06	79-00-5	
Trichloroethene	10.5	ug/L	5.0	1		11/17/16 19:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/17/16 19:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/17/16 19:06	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/17/16 19:06	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1611 (28-31)		Lab ID: 50159066002		Collected: 11/14/16 12:20		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/17/16 19:06	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		100	%.	84-118	1		11/17/16 19:06	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	79-116	1		11/17/16 19:06	460-00-4	
Toluene-d8 (S)		104	%.	86-110	1		11/17/16 19:06	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1611 (25-28)		Lab ID: 50159066003	Collected: 11/14/16 12:30	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/17/16 19:36	67-64-1	
Benzene	ND	ug/L	5.0	1		11/17/16 19:36	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/17/16 19:36	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/17/16 19:36	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/17/16 19:36	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/17/16 19:36	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/17/16 19:36	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/17/16 19:36	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/17/16 19:36	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/17/16 19:36	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/17/16 19:36	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/17/16 19:36	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/17/16 19:36	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/17/16 19:36	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/17/16 19:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/17/16 19:36	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 19:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 19:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 19:36	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/17/16 19:36	75-71-8	
1,1-Dichloroethane	0.95J	ug/L	5.0	1		11/17/16 19:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/17/16 19:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/17/16 19:36	75-35-4	
cis-1,2-Dichloroethene	41.6	ug/L	5.0	1		11/17/16 19:36	156-59-2	
trans-1,2-Dichloroethene	12.5	ug/L	5.0	1		11/17/16 19:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/17/16 19:36	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 19:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 19:36	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/17/16 19:36	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/17/16 19:36	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/17/16 19:36	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/17/16 19:36	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/17/16 19:36	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/17/16 19:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/17/16 19:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/17/16 19:36	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/17/16 19:36	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/17/16 19:36	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/17/16 19:36	127-18-4	
Toluene	ND	ug/L	5.0	1		11/17/16 19:36	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/17/16 19:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/17/16 19:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/17/16 19:36	79-00-5	
Trichloroethene	112	ug/L	5.0	1		11/17/16 19:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/17/16 19:36	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/17/16 19:36	76-13-1	
Vinyl chloride	1.1J	ug/L	2.0	1		11/17/16 19:36	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1611 (25-28)		Lab ID: 50159066003		Collected: 11/14/16 12:30		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/17/16 19:36	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	1		11/17/16 19:36	1868-53-7	
4-Bromofluorobenzene (S)		88	%.	79-116	1		11/17/16 19:36	460-00-4	
Toluene-d8 (S)		91	%.	86-110	1		11/17/16 19:36	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1611 (22-25)		Lab ID: 50159066004	Collected: 11/14/16 12:40	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/17/16 20:05	67-64-1	
Benzene	0.29J	ug/L	5.0	1		11/17/16 20:05	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/17/16 20:05	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/17/16 20:05	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/17/16 20:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/17/16 20:05	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/17/16 20:05	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/17/16 20:05	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/17/16 20:05	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/17/16 20:05	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/17/16 20:05	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/17/16 20:05	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/17/16 20:05	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/17/16 20:05	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/17/16 20:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/17/16 20:05	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 20:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 20:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 20:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/17/16 20:05	75-71-8	
1,1-Dichloroethane	1.5J	ug/L	5.0	1		11/17/16 20:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/17/16 20:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/17/16 20:05	75-35-4	
cis-1,2-Dichloroethene	122	ug/L	5.0	1		11/17/16 20:05	156-59-2	
trans-1,2-Dichloroethene	42.2	ug/L	5.0	1		11/17/16 20:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/17/16 20:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 20:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 20:05	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/17/16 20:05	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/17/16 20:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/17/16 20:05	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/17/16 20:05	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/17/16 20:05	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/17/16 20:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/17/16 20:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/17/16 20:05	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/17/16 20:05	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/17/16 20:05	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/17/16 20:05	127-18-4	
Toluene	0.24J	ug/L	5.0	1		11/17/16 20:05	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/17/16 20:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/17/16 20:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/17/16 20:05	79-00-5	
Trichloroethene	451	ug/L	50.0	10		11/18/16 13:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/17/16 20:05	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/17/16 20:05	76-13-1	
Vinyl chloride	5.5	ug/L	2.0	1		11/17/16 20:05	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1611 (22-25)		Lab ID: 50159066004		Collected: 11/14/16 12:40		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/17/16 20:05	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		100	%.	84-118	1		11/17/16 20:05	1868-53-7	
4-Bromofluorobenzene (S)		104	%.	79-116	1		11/17/16 20:05	460-00-4	
Toluene-d8 (S)		98	%.	86-110	1		11/17/16 20:05	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1611 (19-22)		Lab ID: 50159066005	Collected: 11/14/16 12:55	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	1000	10		11/18/16 00:58	67-64-1	
Benzene	ND	ug/L	50.0	10		11/18/16 00:58	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		11/18/16 00:58	75-27-4	
Bromoform	ND	ug/L	50.0	10		11/18/16 00:58	75-25-2	
Bromomethane	ND	ug/L	50.0	10		11/18/16 00:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		11/18/16 00:58	78-93-3	
Carbon disulfide	ND	ug/L	100	10		11/18/16 00:58	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		11/18/16 00:58	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		11/18/16 00:58	108-90-7	
Chloroethane	ND	ug/L	50.0	10		11/18/16 00:58	75-00-3	
Chloroform	ND	ug/L	50.0	10		11/18/16 00:58	67-66-3	
Chloromethane	ND	ug/L	50.0	10		11/18/16 00:58	74-87-3	
Cyclohexane	ND	ug/L	1000	10		11/18/16 00:58	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		11/18/16 00:58	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		11/18/16 00:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		11/18/16 00:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		11/18/16 00:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		11/18/16 00:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		11/18/16 00:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		11/18/16 00:58	75-71-8	
1,1-Dichloroethane	10.7J	ug/L	50.0	10		11/18/16 00:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		11/18/16 00:58	107-06-2	
1,1-Dichloroethene	4.8J	ug/L	50.0	10		11/18/16 00:58	75-35-4	
cis-1,2-Dichloroethene	803	ug/L	50.0	10		11/18/16 00:58	156-59-2	
trans-1,2-Dichloroethene	103	ug/L	50.0	10		11/18/16 00:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		11/18/16 00:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		11/18/16 00:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		11/18/16 00:58	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		11/18/16 00:58	100-41-4	
2-Hexanone	ND	ug/L	250	10		11/18/16 00:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		11/18/16 00:58	98-82-8	
Methyl acetate	ND	ug/L	500	10		11/18/16 00:58	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		11/18/16 00:58	108-87-2	N2
Methylene Chloride	87.0	ug/L	50.0	10		11/18/16 00:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		11/18/16 00:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		11/18/16 00:58	1634-04-4	
Styrene	ND	ug/L	50.0	10		11/18/16 00:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		11/18/16 00:58	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		11/18/16 00:58	127-18-4	
Toluene	1.9J	ug/L	50.0	10		11/18/16 00:58	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		11/18/16 00:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		11/18/16 00:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		11/18/16 00:58	79-00-5	
Trichloroethene	2650	ug/L	50.0	10		11/18/16 00:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		11/18/16 00:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		11/18/16 00:58	76-13-1	
Vinyl chloride	19.7J	ug/L	20.0	10		11/18/16 00:58	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1611 (19-22)		Lab ID: 50159066005		Collected: 11/14/16 12:55		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	100	10		11/18/16 00:58	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		94	%.	84-118	10		11/18/16 00:58	1868-53-7	D4
4-Bromofluorobenzene (S)		100	%.	79-116	10		11/18/16 00:58	460-00-4	
Toluene-d8 (S)		102	%.	86-110	10		11/18/16 00:58	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1611 (16-19)		Lab ID: 50159066006		Collected: 11/14/16 13:05		Received: 11/15/16 15:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	500	5		11/18/16 01:27	67-64-1		
Benzene	ND	ug/L	25.0	5		11/18/16 01:27	71-43-2		
Bromodichloromethane	ND	ug/L	25.0	5		11/18/16 01:27	75-27-4		
Bromoform	ND	ug/L	25.0	5		11/18/16 01:27	75-25-2		
Bromomethane	ND	ug/L	25.0	5		11/18/16 01:27	74-83-9		
2-Butanone (MEK)	ND	ug/L	125	5		11/18/16 01:27	78-93-3		
Carbon disulfide	ND	ug/L	50.0	5		11/18/16 01:27	75-15-0		
Carbon tetrachloride	ND	ug/L	25.0	5		11/18/16 01:27	56-23-5		
Chlorobenzene	ND	ug/L	25.0	5		11/18/16 01:27	108-90-7		
Chloroethane	ND	ug/L	25.0	5		11/18/16 01:27	75-00-3		
Chloroform	ND	ug/L	25.0	5		11/18/16 01:27	67-66-3		
Chloromethane	ND	ug/L	25.0	5		11/18/16 01:27	74-87-3		
Cyclohexane	ND	ug/L	500	5		11/18/16 01:27	110-82-7	N2	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	5		11/18/16 01:27	96-12-8		
Dibromochloromethane	ND	ug/L	25.0	5		11/18/16 01:27	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	5		11/18/16 01:27	106-93-4		
1,2-Dichlorobenzene	ND	ug/L	25.0	5		11/18/16 01:27	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	25.0	5		11/18/16 01:27	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	25.0	5		11/18/16 01:27	106-46-7		
Dichlorodifluoromethane	ND	ug/L	25.0	5		11/18/16 01:27	75-71-8		
1,1-Dichloroethane	10.1J	ug/L	25.0	5		11/18/16 01:27	75-34-3		
1,2-Dichloroethane	ND	ug/L	25.0	5		11/18/16 01:27	107-06-2		
1,1-Dichloroethene	5.6J	ug/L	25.0	5		11/18/16 01:27	75-35-4		
cis-1,2-Dichloroethene	1010	ug/L	25.0	5		11/18/16 01:27	156-59-2		
trans-1,2-Dichloroethene	107	ug/L	25.0	5		11/18/16 01:27	156-60-5		
1,2-Dichloropropane	ND	ug/L	25.0	5		11/18/16 01:27	78-87-5		
cis-1,3-Dichloropropene	ND	ug/L	25.0	5		11/18/16 01:27	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	25.0	5		11/18/16 01:27	10061-02-6		
Ethylbenzene	ND	ug/L	25.0	5		11/18/16 01:27	100-41-4		
2-Hexanone	ND	ug/L	125	5		11/18/16 01:27	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/L	25.0	5		11/18/16 01:27	98-82-8		
Methyl acetate	ND	ug/L	250	5		11/18/16 01:27	79-20-9	N2	
Methylcyclohexane	ND	ug/L	250	5		11/18/16 01:27	108-87-2	N2	
Methylene Chloride	50.8	ug/L	25.0	5		11/18/16 01:27	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	5		11/18/16 01:27	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	20.0	5		11/18/16 01:27	1634-04-4		
Styrene	ND	ug/L	25.0	5		11/18/16 01:27	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	5		11/18/16 01:27	79-34-5		
Tetrachloroethene	ND	ug/L	25.0	5		11/18/16 01:27	127-18-4		
Toluene	ND	ug/L	25.0	5		11/18/16 01:27	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/L	25.0	5		11/18/16 01:27	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	25.0	5		11/18/16 01:27	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	25.0	5		11/18/16 01:27	79-00-5		
Trichloroethene	2970	ug/L	125	25		11/18/16 13:51	79-01-6		
Trichlorofluoromethane	ND	ug/L	25.0	5		11/18/16 01:27	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/L	25.0	5		11/18/16 01:27	76-13-1		
Vinyl chloride	21.7	ug/L	10.0	5		11/18/16 01:27	75-01-4		

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1611 (16-19)		Lab ID: 50159066006		Collected: 11/14/16 13:05		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	50.0	5		11/18/16 01:27	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		96	%.	84-118	5		11/18/16 01:27	1868-53-7	
4-Bromofluorobenzene (S)		95	%.	79-116	5		11/18/16 01:27	460-00-4	D4
Toluene-d8 (S)		100	%.	86-110	5		11/18/16 01:27	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1613 (31-34)		Lab ID: 50159066007	Collected: 11/14/16 14:35	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/18/16 15:19	67-64-1	
Benzene	ND	ug/L	5.0	1		11/18/16 15:19	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/18/16 15:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/18/16 15:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/18/16 15:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/18/16 15:19	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/18/16 15:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/18/16 15:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/18/16 15:19	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/18/16 15:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/18/16 15:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/18/16 15:19	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/18/16 15:19	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/18/16 15:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/18/16 15:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/18/16 15:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 15:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 15:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 15:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/18/16 15:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/18/16 15:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/18/16 15:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/18/16 15:19	75-35-4	
cis-1,2-Dichloroethene	3.5J	ug/L	5.0	1		11/18/16 15:19	156-59-2	
trans-1,2-Dichloroethene	0.75J	ug/L	5.0	1		11/18/16 15:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/18/16 15:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/18/16 15:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/18/16 15:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/18/16 15:19	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/18/16 15:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/18/16 15:19	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/18/16 15:19	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/18/16 15:19	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/18/16 15:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/18/16 15:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/18/16 15:19	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/18/16 15:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/18/16 15:19	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/18/16 15:19	127-18-4	
Toluene	ND	ug/L	5.0	1		11/18/16 15:19	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/18/16 15:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/18/16 15:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/18/16 15:19	79-00-5	
Trichloroethene	11.4	ug/L	5.0	1		11/18/16 15:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/18/16 15:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/18/16 15:19	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/18/16 15:19	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1613 (31-34)		Lab ID: 50159066007		Collected: 11/14/16 14:35		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/18/16 15:19	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		109	%.	84-118	1		11/18/16 15:19	1868-53-7	
4-Bromofluorobenzene (S)		100	%.	79-116	1		11/18/16 15:19	460-00-4	
Toluene-d8 (S)		104	%.	86-110	1		11/18/16 15:19	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1613 (28-31)		Lab ID: 50159066008	Collected: 11/14/16 14:45	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/17/16 21:03	67-64-1	
Benzene	ND	ug/L	5.0	1		11/17/16 21:03	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/17/16 21:03	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/17/16 21:03	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/17/16 21:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/17/16 21:03	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/17/16 21:03	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/17/16 21:03	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/17/16 21:03	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/17/16 21:03	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/17/16 21:03	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/17/16 21:03	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/17/16 21:03	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/17/16 21:03	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/17/16 21:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/17/16 21:03	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 21:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 21:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 21:03	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/17/16 21:03	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/17/16 21:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/17/16 21:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/17/16 21:03	75-35-4	
cis-1,2-Dichloroethene	4.4J	ug/L	5.0	1		11/17/16 21:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/17/16 21:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/17/16 21:03	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 21:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 21:03	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/17/16 21:03	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/17/16 21:03	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/17/16 21:03	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/17/16 21:03	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/17/16 21:03	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/17/16 21:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/17/16 21:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/17/16 21:03	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/17/16 21:03	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/17/16 21:03	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/17/16 21:03	127-18-4	
Toluene	ND	ug/L	5.0	1		11/17/16 21:03	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/17/16 21:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/17/16 21:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/17/16 21:03	79-00-5	
Trichloroethene	17.8	ug/L	5.0	1		11/17/16 21:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/17/16 21:03	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/17/16 21:03	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/17/16 21:03	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1613 (28-31)		Lab ID: 50159066008		Collected: 11/14/16 14:45		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/17/16 21:03	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		100	%.	84-118	1		11/17/16 21:03	1868-53-7	
4-Bromofluorobenzene (S)		100	%.	79-116	1		11/17/16 21:03	460-00-4	
Toluene-d8 (S)		103	%.	86-110	1		11/17/16 21:03	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1613 (25-28)		Lab ID: 50159066009	Collected: 11/14/16 14:55	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/17/16 21:33	67-64-1	
Benzene	ND	ug/L	5.0	1		11/17/16 21:33	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/17/16 21:33	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/17/16 21:33	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/17/16 21:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/17/16 21:33	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/17/16 21:33	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/17/16 21:33	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/17/16 21:33	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/17/16 21:33	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/17/16 21:33	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/17/16 21:33	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/17/16 21:33	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/17/16 21:33	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/17/16 21:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/17/16 21:33	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 21:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 21:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 21:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/17/16 21:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/17/16 21:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/17/16 21:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/17/16 21:33	75-35-4	
cis-1,2-Dichloroethene	4.1J	ug/L	5.0	1		11/17/16 21:33	156-59-2	
trans-1,2-Dichloroethene	0.88J	ug/L	5.0	1		11/17/16 21:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/17/16 21:33	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 21:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 21:33	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/17/16 21:33	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/17/16 21:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/17/16 21:33	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/17/16 21:33	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/17/16 21:33	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/17/16 21:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/17/16 21:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/17/16 21:33	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/17/16 21:33	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/17/16 21:33	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/17/16 21:33	127-18-4	
Toluene	ND	ug/L	5.0	1		11/17/16 21:33	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/17/16 21:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/17/16 21:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/17/16 21:33	79-00-5	
Trichloroethene	24.1	ug/L	5.0	1		11/17/16 21:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/17/16 21:33	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/17/16 21:33	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/17/16 21:33	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1613 (25-28)		Lab ID: 50159066009		Collected: 11/14/16 14:55		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/17/16 21:33	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	1		11/17/16 21:33	1868-53-7	
4-Bromofluorobenzene (S)		87	%.	79-116	1		11/17/16 21:33	460-00-4	
Toluene-d8 (S)		86	%.	86-110	1		11/17/16 21:33	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1613 (22-25)		Lab ID: 50159066010	Collected: 11/14/16 15:05	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/17/16 22:02	67-64-1	
Benzene	ND	ug/L	5.0	1		11/17/16 22:02	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/17/16 22:02	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/17/16 22:02	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/17/16 22:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/17/16 22:02	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/17/16 22:02	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/17/16 22:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/17/16 22:02	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/17/16 22:02	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/17/16 22:02	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/17/16 22:02	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/17/16 22:02	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/17/16 22:02	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/17/16 22:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/17/16 22:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 22:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 22:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 22:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/17/16 22:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/17/16 22:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/17/16 22:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/17/16 22:02	75-35-4	
cis-1,2-Dichloroethene	3.6J	ug/L	5.0	1		11/17/16 22:02	156-59-2	
trans-1,2-Dichloroethene	0.34J	ug/L	5.0	1		11/17/16 22:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/17/16 22:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 22:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 22:02	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/17/16 22:02	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/17/16 22:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/17/16 22:02	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/17/16 22:02	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/17/16 22:02	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/17/16 22:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/17/16 22:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/17/16 22:02	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/17/16 22:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/17/16 22:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/17/16 22:02	127-18-4	
Toluene	ND	ug/L	5.0	1		11/17/16 22:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/17/16 22:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/17/16 22:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/17/16 22:02	79-00-5	
Trichloroethene	21.5	ug/L	5.0	1		11/17/16 22:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/17/16 22:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/17/16 22:02	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/17/16 22:02	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1613 (22-25)		Lab ID: 50159066010		Collected: 11/14/16 15:05		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/17/16 22:02	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		99	%.	84-118	1		11/17/16 22:02	1868-53-7	
4-Bromofluorobenzene (S)		94	%.	79-116	1		11/17/16 22:02	460-00-4	
Toluene-d8 (S)		93	%.	86-110	1		11/17/16 22:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1613 (19-22)		Lab ID: 50159066011	Collected: 11/14/16 15:15	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/18/16 01:56	67-64-1	
Benzene	ND	ug/L	5.0	1		11/18/16 01:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/18/16 01:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/18/16 01:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/18/16 01:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/18/16 01:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/18/16 01:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/18/16 01:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/18/16 01:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/18/16 01:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/18/16 01:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/18/16 01:56	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/18/16 01:56	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/18/16 01:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/18/16 01:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/18/16 01:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 01:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 01:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 01:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/18/16 01:56	75-71-8	
1,1-Dichloroethane	1.6J	ug/L	5.0	1		11/18/16 01:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/18/16 01:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/18/16 01:56	75-35-4	
cis-1,2-Dichloroethene	3.5J	ug/L	5.0	1		11/18/16 01:56	156-59-2	
trans-1,2-Dichloroethene	0.36J	ug/L	5.0	1		11/18/16 01:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/18/16 01:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/18/16 01:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/18/16 01:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/18/16 01:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/18/16 01:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/18/16 01:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/18/16 01:56	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/18/16 01:56	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/18/16 01:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/18/16 01:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/18/16 01:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/18/16 01:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/18/16 01:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/18/16 01:56	127-18-4	
Toluene	ND	ug/L	5.0	1		11/18/16 01:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/18/16 01:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/18/16 01:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/18/16 01:56	79-00-5	
Trichloroethene	18.1	ug/L	5.0	1		11/18/16 01:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/18/16 01:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/18/16 01:56	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/18/16 01:56	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1613 (19-22)		Lab ID: 50159066011		Collected: 11/14/16 15:15		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/18/16 01:56	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		98	%.	84-118	1		11/18/16 01:56	1868-53-7	
4-Bromofluorobenzene (S)		100	%.	79-116	1		11/18/16 01:56	460-00-4	
Toluene-d8 (S)		98	%.	86-110	1		11/18/16 01:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1617 (34-37)		Lab ID: 50159066012	Collected: 11/14/16 16:15	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/18/16 02:25	67-64-1	
Benzene	ND	ug/L	5.0	1		11/18/16 02:25	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/18/16 02:25	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/18/16 02:25	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/18/16 02:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/18/16 02:25	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/18/16 02:25	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/18/16 02:25	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/18/16 02:25	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/18/16 02:25	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/18/16 02:25	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/18/16 02:25	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/18/16 02:25	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/18/16 02:25	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/18/16 02:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/18/16 02:25	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 02:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 02:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 02:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/18/16 02:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/18/16 02:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/18/16 02:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/18/16 02:25	75-35-4	
cis-1,2-Dichloroethene	1.13	ug/L	5.0	1		11/18/16 02:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/18/16 02:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/18/16 02:25	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/18/16 02:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/18/16 02:25	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/18/16 02:25	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/18/16 02:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/18/16 02:25	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/18/16 02:25	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/18/16 02:25	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/18/16 02:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/18/16 02:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/18/16 02:25	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/18/16 02:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/18/16 02:25	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/18/16 02:25	127-18-4	
Toluene	ND	ug/L	5.0	1		11/18/16 02:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/18/16 02:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/18/16 02:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/18/16 02:25	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/18/16 02:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/18/16 02:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/18/16 02:25	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/18/16 02:25	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1617 (34-37)		Lab ID: 50159066012		Collected: 11/14/16 16:15		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/18/16 02:25	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		96	%.	84-118	1		11/18/16 02:25	1868-53-7	
4-Bromofluorobenzene (S)		101	%.	79-116	1		11/18/16 02:25	460-00-4	
Toluene-d8 (S)		104	%.	86-110	1		11/18/16 02:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1617 (31-34)		Lab ID: 50159066013	Collected: 11/14/16 16:30	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/18/16 02:54	67-64-1	
Benzene	ND	ug/L	5.0	1		11/18/16 02:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/18/16 02:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/18/16 02:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/18/16 02:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/18/16 02:54	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/18/16 02:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/18/16 02:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/18/16 02:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/18/16 02:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/18/16 02:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/18/16 02:54	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/18/16 02:54	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/18/16 02:54	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/18/16 02:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/18/16 02:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 02:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 02:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 02:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/18/16 02:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/18/16 02:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/18/16 02:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/18/16 02:54	75-35-4	
cis-1,2-Dichloroethene	3.1J	ug/L	5.0	1		11/18/16 02:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/18/16 02:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/18/16 02:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/18/16 02:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/18/16 02:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/18/16 02:54	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/18/16 02:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/18/16 02:54	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/18/16 02:54	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/18/16 02:54	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/18/16 02:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/18/16 02:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/18/16 02:54	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/18/16 02:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/18/16 02:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/18/16 02:54	127-18-4	
Toluene	ND	ug/L	5.0	1		11/18/16 02:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/18/16 02:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/18/16 02:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/18/16 02:54	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/18/16 02:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/18/16 02:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/18/16 02:54	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/18/16 02:54	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1617 (31-34)		Lab ID: 50159066013		Collected: 11/14/16 16:30		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/18/16 02:54	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		97	%.	84-118	1		11/18/16 02:54	1868-53-7	
4-Bromofluorobenzene (S)		102	%.	79-116	1		11/18/16 02:54	460-00-4	
Toluene-d8 (S)		104	%.	86-110	1		11/18/16 02:54	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1617 (28-31)		Lab ID: 50159066014		Collected: 11/14/16 16:45		Received: 11/15/16 15:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/18/16 03:24	67-64-1		
Benzene	ND	ug/L	5.0	1		11/18/16 03:24	71-43-2		
Bromodichloromethane	ND	ug/L	5.0	1		11/18/16 03:24	75-27-4		
Bromoform	ND	ug/L	5.0	1		11/18/16 03:24	75-25-2		
Bromomethane	ND	ug/L	5.0	1		11/18/16 03:24	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		11/18/16 03:24	78-93-3		
Carbon disulfide	ND	ug/L	10.0	1		11/18/16 03:24	75-15-0		
Carbon tetrachloride	ND	ug/L	5.0	1		11/18/16 03:24	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		11/18/16 03:24	108-90-7		
Chloroethane	ND	ug/L	5.0	1		11/18/16 03:24	75-00-3		
Chloroform	ND	ug/L	5.0	1		11/18/16 03:24	67-66-3		
Chloromethane	ND	ug/L	5.0	1		11/18/16 03:24	74-87-3		
Cyclohexane	ND	ug/L	100	1		11/18/16 03:24	110-82-7	N2	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/18/16 03:24	96-12-8		
Dibromochloromethane	ND	ug/L	5.0	1		11/18/16 03:24	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/18/16 03:24	106-93-4		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 03:24	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 03:24	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 03:24	106-46-7		
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/18/16 03:24	75-71-8		
1,1-Dichloroethane	ND	ug/L	5.0	1		11/18/16 03:24	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		11/18/16 03:24	107-06-2		
1,1-Dichloroethene	ND	ug/L	5.0	1		11/18/16 03:24	75-35-4		
cis-1,2-Dichloroethene	30.4	ug/L	5.0	1		11/18/16 03:24	156-59-2		
trans-1,2-Dichloroethene	1.6J	ug/L	5.0	1		11/18/16 03:24	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		11/18/16 03:24	78-87-5		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/18/16 03:24	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/18/16 03:24	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		11/18/16 03:24	100-41-4		
2-Hexanone	ND	ug/L	25.0	1		11/18/16 03:24	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/18/16 03:24	98-82-8		
Methyl acetate	ND	ug/L	50.0	1		11/18/16 03:24	79-20-9	N2	
Methylcyclohexane	ND	ug/L	50.0	1		11/18/16 03:24	108-87-2	N2	
Methylene Chloride	ND	ug/L	5.0	1		11/18/16 03:24	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/18/16 03:24	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/18/16 03:24	1634-04-4		
Styrene	ND	ug/L	5.0	1		11/18/16 03:24	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/18/16 03:24	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		11/18/16 03:24	127-18-4		
Toluene	ND	ug/L	5.0	1		11/18/16 03:24	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/18/16 03:24	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/18/16 03:24	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/18/16 03:24	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		11/18/16 03:24	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		11/18/16 03:24	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/18/16 03:24	76-13-1		
Vinyl chloride	ND	ug/L	2.0	1		11/18/16 03:24	75-01-4		

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1617 (28-31)		Lab ID: 50159066014		Collected: 11/14/16 16:45		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/18/16 03:24	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	84-118	1		11/18/16 03:24	1868-53-7	
4-Bromofluorobenzene (S)		101	%.	79-116	1		11/18/16 03:24	460-00-4	
Toluene-d8 (S)		103	%.	86-110	1		11/18/16 03:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1617 (25-28)		Lab ID: 50159066015	Collected: 11/14/16 16:55	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/18/16 03:53	67-64-1	
Benzene	ND	ug/L	5.0	1		11/18/16 03:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/18/16 03:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/18/16 03:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/18/16 03:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/18/16 03:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/18/16 03:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/18/16 03:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/18/16 03:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/18/16 03:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/18/16 03:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/18/16 03:53	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/18/16 03:53	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/18/16 03:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/18/16 03:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/18/16 03:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 03:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 03:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/18/16 03:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/18/16 03:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/18/16 03:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/18/16 03:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/18/16 03:53	75-35-4	
cis-1,2-Dichloroethene	58.4	ug/L	5.0	1		11/18/16 03:53	156-59-2	
trans-1,2-Dichloroethene	3.7J	ug/L	5.0	1		11/18/16 03:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/18/16 03:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/18/16 03:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/18/16 03:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/18/16 03:53	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/18/16 03:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/18/16 03:53	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/18/16 03:53	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/18/16 03:53	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/18/16 03:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/18/16 03:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/18/16 03:53	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/18/16 03:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/18/16 03:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/18/16 03:53	127-18-4	
Toluene	ND	ug/L	5.0	1		11/18/16 03:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/18/16 03:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/18/16 03:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/18/16 03:53	79-00-5	
Trichloroethene	0.25J	ug/L	5.0	1		11/18/16 03:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/18/16 03:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/18/16 03:53	76-13-1	
Vinyl chloride	0.33J	ug/L	2.0	1		11/18/16 03:53	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1617 (25-28)		Lab ID: 50159066015		Collected: 11/14/16 16:55		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/18/16 03:53	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		96	%.	84-118	1		11/18/16 03:53	1868-53-7	
4-Bromofluorobenzene (S)		102	%.	79-116	1		11/18/16 03:53	460-00-4	
Toluene-d8 (S)		106	%.	86-110	1		11/18/16 03:53	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1617 (18-21)		Lab ID: 50159066016	Collected: 11/14/16 17:25	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/17/16 06:31	67-64-1	
Benzene	0.70J	ug/L	5.0	1		11/17/16 06:31	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/17/16 06:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/17/16 06:31	75-25-2	
Bromomethane	0.55J	ug/L	5.0	1		11/17/16 06:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/17/16 06:31	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/17/16 06:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/17/16 06:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/17/16 06:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/17/16 06:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/17/16 06:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/17/16 06:31	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/17/16 06:31	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/17/16 06:31	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/17/16 06:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/17/16 06:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 06:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 06:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 06:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/17/16 06:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/17/16 06:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/17/16 06:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/17/16 06:31	75-35-4	
cis-1,2-Dichloroethene	104	ug/L	5.0	1		11/17/16 06:31	156-59-2	
trans-1,2-Dichloroethene	7.0	ug/L	5.0	1		11/17/16 06:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/17/16 06:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 06:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 06:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/17/16 06:31	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/17/16 06:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/17/16 06:31	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/17/16 06:31	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/17/16 06:31	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/17/16 06:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/17/16 06:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/17/16 06:31	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/17/16 06:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/17/16 06:31	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/17/16 06:31	127-18-4	
Toluene	ND	ug/L	5.0	1		11/17/16 06:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/17/16 06:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/17/16 06:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/17/16 06:31	79-00-5	
Trichloroethene	3.3J	ug/L	5.0	1		11/17/16 06:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/17/16 06:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/17/16 06:31	76-13-1	
Vinyl chloride	33.6	ug/L	2.0	1		11/17/16 06:31	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1617 (18-21)		Lab ID: 50159066016		Collected: 11/14/16 17:25		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/17/16 06:31	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		99	%.	84-118	1		11/17/16 06:31	1868-53-7	
4-Bromofluorobenzene (S)		91	%.	79-116	1		11/17/16 06:31	460-00-4	
Toluene-d8 (S)		91	%.	86-110	1		11/17/16 06:31	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1620 (28-31)		Lab ID: 50159066017	Collected: 11/15/16 09:30	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/17/16 07:00	67-64-1	
Benzene	ND	ug/L	5.0	1		11/17/16 07:00	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/17/16 07:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/17/16 07:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/17/16 07:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/17/16 07:00	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/17/16 07:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/17/16 07:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/17/16 07:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/17/16 07:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/17/16 07:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/17/16 07:00	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/17/16 07:00	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/17/16 07:00	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/17/16 07:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/17/16 07:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 07:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 07:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 07:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/17/16 07:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/17/16 07:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/17/16 07:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/17/16 07:00	75-35-4	
cis-1,2-Dichloroethene	1.9J	ug/L	5.0	1		11/17/16 07:00	156-59-2	
trans-1,2-Dichloroethene	0.21J	ug/L	5.0	1		11/17/16 07:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/17/16 07:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 07:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 07:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/17/16 07:00	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/17/16 07:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/17/16 07:00	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/17/16 07:00	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/17/16 07:00	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/17/16 07:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/17/16 07:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/17/16 07:00	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/17/16 07:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/17/16 07:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/17/16 07:00	127-18-4	
Toluene	0.28J	ug/L	5.0	1		11/17/16 07:00	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/17/16 07:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/17/16 07:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/17/16 07:00	79-00-5	
Trichloroethene	0.21J	ug/L	5.0	1		11/17/16 07:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/17/16 07:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/17/16 07:00	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/17/16 07:00	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1620 (28-31)		Lab ID: 50159066017		Collected: 11/15/16 09:30		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/17/16 07:00	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		94	%.	84-118	1		11/17/16 07:00	1868-53-7	
4-Bromofluorobenzene (S)		105	%.	79-116	1		11/17/16 07:00	460-00-4	
Toluene-d8 (S)		102	%.	86-110	1		11/17/16 07:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1620 (25-28)		Lab ID: 50159066018	Collected: 11/15/16 09:50	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/17/16 07:59	67-64-1	
Benzene	ND	ug/L	5.0	1		11/17/16 07:59	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/17/16 07:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/17/16 07:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/17/16 07:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/17/16 07:59	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/17/16 07:59	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/17/16 07:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/17/16 07:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/17/16 07:59	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/17/16 07:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/17/16 07:59	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/17/16 07:59	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/17/16 07:59	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/17/16 07:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/17/16 07:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 07:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 07:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 07:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/17/16 07:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/17/16 07:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/17/16 07:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/17/16 07:59	75-35-4	
cis-1,2-Dichloroethene	0.94J	ug/L	5.0	1		11/17/16 07:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/17/16 07:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/17/16 07:59	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 07:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 07:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/17/16 07:59	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/17/16 07:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/17/16 07:59	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/17/16 07:59	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/17/16 07:59	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/17/16 07:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/17/16 07:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/17/16 07:59	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/17/16 07:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/17/16 07:59	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/17/16 07:59	127-18-4	
Toluene	ND	ug/L	5.0	1		11/17/16 07:59	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/17/16 07:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/17/16 07:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/17/16 07:59	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/17/16 07:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/17/16 07:59	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/17/16 07:59	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/17/16 07:59	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1620 (25-28)		Lab ID: 50159066018		Collected: 11/15/16 09:50		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/17/16 07:59	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		100	%.	84-118	1		11/17/16 07:59	1868-53-7	
4-Bromofluorobenzene (S)		99	%.	79-116	1		11/17/16 07:59	460-00-4	
Toluene-d8 (S)		90	%.	86-110	1		11/17/16 07:59	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1620 (22-25)		Lab ID: 50159066019	Collected: 11/15/16 10:10	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/17/16 08:28	67-64-1	
Benzene	ND	ug/L	5.0	1		11/17/16 08:28	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/17/16 08:28	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/17/16 08:28	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/17/16 08:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/17/16 08:28	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/17/16 08:28	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/17/16 08:28	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/17/16 08:28	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/17/16 08:28	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/17/16 08:28	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/17/16 08:28	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/17/16 08:28	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/17/16 08:28	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/17/16 08:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/17/16 08:28	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 08:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 08:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 08:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/17/16 08:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/17/16 08:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/17/16 08:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/17/16 08:28	75-35-4	
cis-1,2-Dichloroethene	2.4J	ug/L	5.0	1		11/17/16 08:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/17/16 08:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/17/16 08:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 08:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 08:28	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/17/16 08:28	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/17/16 08:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/17/16 08:28	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/17/16 08:28	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/17/16 08:28	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/17/16 08:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/17/16 08:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/17/16 08:28	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/17/16 08:28	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/17/16 08:28	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/17/16 08:28	127-18-4	
Toluene	ND	ug/L	5.0	1		11/17/16 08:28	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/17/16 08:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/17/16 08:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/17/16 08:28	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/17/16 08:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/17/16 08:28	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/17/16 08:28	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/17/16 08:28	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1620 (22-25)		Lab ID: 50159066019		Collected: 11/15/16 10:10		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/17/16 08:28	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		99	%.	84-118	1		11/17/16 08:28	1868-53-7	
4-Bromofluorobenzene (S)		99	%.	79-116	1		11/17/16 08:28	460-00-4	
Toluene-d8 (S)		92	%.	86-110	1		11/17/16 08:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1620 (18-21)		Lab ID: 50159066020		Collected: 11/15/16 10:30		Received: 11/15/16 15:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		11/17/16 08:57	67-64-1		
Benzene	ND	ug/L	5.0	1		11/17/16 08:57	71-43-2		
Bromodichloromethane	ND	ug/L	5.0	1		11/17/16 08:57	75-27-4		
Bromoform	ND	ug/L	5.0	1		11/17/16 08:57	75-25-2		
Bromomethane	ND	ug/L	5.0	1		11/17/16 08:57	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		11/17/16 08:57	78-93-3		
Carbon disulfide	ND	ug/L	10.0	1		11/17/16 08:57	75-15-0		
Carbon tetrachloride	ND	ug/L	5.0	1		11/17/16 08:57	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		11/17/16 08:57	108-90-7		
Chloroethane	ND	ug/L	5.0	1		11/17/16 08:57	75-00-3		
Chloroform	ND	ug/L	5.0	1		11/17/16 08:57	67-66-3		
Chloromethane	ND	ug/L	5.0	1		11/17/16 08:57	74-87-3		
Cyclohexane	ND	ug/L	100	1		11/17/16 08:57	110-82-7	N2	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/17/16 08:57	96-12-8		
Dibromochloromethane	ND	ug/L	5.0	1		11/17/16 08:57	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/17/16 08:57	106-93-4		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 08:57	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 08:57	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 08:57	106-46-7		
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/17/16 08:57	75-71-8		
1,1-Dichloroethane	ND	ug/L	5.0	1		11/17/16 08:57	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		11/17/16 08:57	107-06-2		
1,1-Dichloroethene	ND	ug/L	5.0	1		11/17/16 08:57	75-35-4		
cis-1,2-Dichloroethene	40.7	ug/L	5.0	1		11/17/16 08:57	156-59-2		
trans-1,2-Dichloroethene	8.3	ug/L	5.0	1		11/17/16 08:57	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		11/17/16 08:57	78-87-5		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 08:57	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 08:57	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		11/17/16 08:57	100-41-4		
2-Hexanone	ND	ug/L	25.0	1		11/17/16 08:57	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/17/16 08:57	98-82-8		
Methyl acetate	ND	ug/L	50.0	1		11/17/16 08:57	79-20-9	N2	
Methylcyclohexane	ND	ug/L	50.0	1		11/17/16 08:57	108-87-2	N2	
Methylene Chloride	ND	ug/L	5.0	1		11/17/16 08:57	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/17/16 08:57	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/17/16 08:57	1634-04-4		
Styrene	ND	ug/L	5.0	1		11/17/16 08:57	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/17/16 08:57	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		11/17/16 08:57	127-18-4		
Toluene	ND	ug/L	5.0	1		11/17/16 08:57	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/17/16 08:57	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/17/16 08:57	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/17/16 08:57	79-00-5		
Trichloroethene	0.73J	ug/L	5.0	1		11/17/16 08:57	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		11/17/16 08:57	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/17/16 08:57	76-13-1		
Vinyl chloride	8.2	ug/L	2.0	1		11/17/16 08:57	75-01-4		

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: SB-1620 (18-21)		Lab ID: 50159066020		Collected: 11/15/16 10:30		Received: 11/15/16 15:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		11/17/16 08:57	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	101	%.	84-118	1		11/17/16 08:57	1868-53-7		
4-Bromofluorobenzene (S)	101	%.	79-116	1		11/17/16 08:57	460-00-4		
Toluene-d8 (S)	104	%.	86-110	1		11/17/16 08:57	2037-26-5		

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: DUP-06 (111516)		Lab ID: 50159066021	Collected: 11/15/16 08:00	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/17/16 09:27	67-64-1	
Benzene	ND	ug/L	5.0	1		11/17/16 09:27	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/17/16 09:27	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/17/16 09:27	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/17/16 09:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/17/16 09:27	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/17/16 09:27	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/17/16 09:27	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/17/16 09:27	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/17/16 09:27	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/17/16 09:27	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/17/16 09:27	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/17/16 09:27	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/17/16 09:27	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/17/16 09:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/17/16 09:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 09:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 09:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 09:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/17/16 09:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/17/16 09:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/17/16 09:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/17/16 09:27	75-35-4	
cis-1,2-Dichloroethene	0.90J	ug/L	5.0	1		11/17/16 09:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/17/16 09:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/17/16 09:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 09:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 09:27	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/17/16 09:27	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/17/16 09:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/17/16 09:27	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/17/16 09:27	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/17/16 09:27	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/17/16 09:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/17/16 09:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/17/16 09:27	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/17/16 09:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/17/16 09:27	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/17/16 09:27	127-18-4	
Toluene	ND	ug/L	5.0	1		11/17/16 09:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/17/16 09:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/17/16 09:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/17/16 09:27	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/17/16 09:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/17/16 09:27	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/17/16 09:27	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/17/16 09:27	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: DUP-06 (111516)		Lab ID: 50159066021		Collected: 11/15/16 08:00		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/17/16 09:27	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		102	%.	84-118	1		11/17/16 09:27	1868-53-7	
4-Bromofluorobenzene (S)		101	%.	79-116	1		11/17/16 09:27	460-00-4	
Toluene-d8 (S)		95	%.	86-110	1		11/17/16 09:27	2037-26-5	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: DUP-07 (111516)		Lab ID: 50159066022	Collected: 11/15/16 08:00	Received: 11/15/16 15:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/17/16 09:56	67-64-1	
Benzene	ND	ug/L	5.0	1		11/17/16 09:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/17/16 09:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/17/16 09:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/17/16 09:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/17/16 09:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/17/16 09:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/17/16 09:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/17/16 09:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/17/16 09:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/17/16 09:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/17/16 09:56	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/17/16 09:56	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/17/16 09:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/17/16 09:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/17/16 09:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 09:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 09:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/17/16 09:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/17/16 09:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/17/16 09:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/17/16 09:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/17/16 09:56	75-35-4	
cis-1,2-Dichloroethene	2.13	ug/L	5.0	1		11/17/16 09:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/17/16 09:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/17/16 09:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 09:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/17/16 09:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/17/16 09:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/17/16 09:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/17/16 09:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/17/16 09:56	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/17/16 09:56	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/17/16 09:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/17/16 09:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/17/16 09:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/17/16 09:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/17/16 09:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/17/16 09:56	127-18-4	
Toluene	ND	ug/L	5.0	1		11/17/16 09:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/17/16 09:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/17/16 09:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/17/16 09:56	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/17/16 09:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/17/16 09:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/17/16 09:56	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/17/16 09:56	75-01-4	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159066

Sample: DUP-07 (111516)		Lab ID: 50159066022		Collected: 11/15/16 08:00		Received: 11/15/16 15:30		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/17/16 09:56	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		100	%.	84-118	1		11/17/16 09:56	1868-53-7	
4-Bromofluorobenzene (S)		99	%.	79-116	1		11/17/16 09:56	460-00-4	
Toluene-d8 (S)		103	%.	86-110	1		11/17/16 09:56	2037-26-5	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50159066

QC Batch: 362060

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50159066001, 50159066002, 50159066003, 50159066004, 50159066008, 50159066009, 50159066010

METHOD BLANK: 1673132

Matrix: Water

Associated Lab Samples: 50159066001, 50159066002, 50159066003, 50159066004, 50159066008, 50159066009, 50159066010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/17/16 13:15	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/17/16 13:15	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/17/16 13:15	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/17/16 13:15	
1,1-Dichloroethane	ug/L	ND	5.0	11/17/16 13:15	
1,1-Dichloroethene	ug/L	ND	5.0	11/17/16 13:15	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/17/16 13:15	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/17/16 13:15	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/17/16 13:15	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/17/16 13:15	
1,2-Dichloroethane	ug/L	ND	5.0	11/17/16 13:15	
1,2-Dichloropropane	ug/L	ND	5.0	11/17/16 13:15	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/17/16 13:15	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/17/16 13:15	
2-Butanone (MEK)	ug/L	ND	25.0	11/17/16 13:15	
2-Hexanone	ug/L	ND	25.0	11/17/16 13:15	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/17/16 13:15	
Acetone	ug/L	ND	100	11/17/16 13:15	
Benzene	ug/L	ND	5.0	11/17/16 13:15	
Bromodichloromethane	ug/L	ND	5.0	11/17/16 13:15	
Bromoform	ug/L	ND	5.0	11/17/16 13:15	
Bromomethane	ug/L	ND	5.0	11/17/16 13:15	
Carbon disulfide	ug/L	ND	10.0	11/17/16 13:15	
Carbon tetrachloride	ug/L	ND	5.0	11/17/16 13:15	
Chlorobenzene	ug/L	ND	5.0	11/17/16 13:15	
Chloroethane	ug/L	ND	5.0	11/17/16 13:15	
Chloroform	ug/L	ND	5.0	11/17/16 13:15	
Chloromethane	ug/L	ND	5.0	11/17/16 13:15	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/17/16 13:15	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/17/16 13:15	
Cyclohexane	ug/L	ND	100	11/17/16 13:15	N2
Dibromochloromethane	ug/L	ND	5.0	11/17/16 13:15	
Dichlorodifluoromethane	ug/L	ND	5.0	11/17/16 13:15	
Ethylbenzene	ug/L	ND	5.0	11/17/16 13:15	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/17/16 13:15	
Methyl acetate	ug/L	ND	50.0	11/17/16 13:15	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/17/16 13:15	
Methylcyclohexane	ug/L	ND	50.0	11/17/16 13:15	N2
Methylene Chloride	ug/L	ND	5.0	11/17/16 13:15	
Styrene	ug/L	ND	5.0	11/17/16 13:15	
Tetrachloroethene	ug/L	ND	5.0	11/17/16 13:15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50159066

METHOD BLANK: 1673132

Matrix: Water

Associated Lab Samples: 50159066001, 50159066002, 50159066003, 50159066004, 50159066008, 50159066009, 50159066010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/17/16 13:15	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/17/16 13:15	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/17/16 13:15	
Trichloroethene	ug/L	ND	5.0	11/17/16 13:15	
Trichlorofluoromethane	ug/L	ND	5.0	11/17/16 13:15	
Vinyl chloride	ug/L	ND	2.0	11/17/16 13:15	
Xylene (Total)	ug/L	ND	10.0	11/17/16 13:15	
4-Bromofluorobenzene (S)	%	99	79-116	11/17/16 13:15	
Dibromofluoromethane (S)	%	97	84-118	11/17/16 13:15	
Toluene-d8 (S)	%	105	86-110	11/17/16 13:15	

LABORATORY CONTROL SAMPLE: 1673133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.1	104	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	60.5	121	72-124	
1,1,2-Trichloroethane	ug/L	50	46.3	93	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	59.9	120	80-111	L0
1,1-Dichloroethane	ug/L	50	48.1	96	70-120	
1,1-Dichloroethene	ug/L	50	52.3	105	69-127	
1,2,4-Trichlorobenzene	ug/L	50	63.3	127	66-126	L0
1,2-Dibromo-3-chloropropane	ug/L	50	56.3	113	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	46.7	93	76-125	
1,2-Dichlorobenzene	ug/L	50	52.1	104	77-122	
1,2-Dichloroethane	ug/L	50	45.8	92	70-123	
1,2-Dichloropropane	ug/L	50	49.8	100	77-124	
1,3-Dichlorobenzene	ug/L	50	51.5	103	76-124	
1,4-Dichlorobenzene	ug/L	50	49.5	99	75-117	
2-Butanone (MEK)	ug/L	250	264	106	60-135	
2-Hexanone	ug/L	250	280	112	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	246	98	66-134	
Acetone	ug/L	250	280	112	47-144	
Benzene	ug/L	50	48.0	96	76-122	
Bromodichloromethane	ug/L	50	51.7	103	71-124	
Bromoform	ug/L	50	54.4	109	60-125	
Bromomethane	ug/L	50	47.6	95	23-194	
Carbon disulfide	ug/L	50	61.2	122	63-130	
Carbon tetrachloride	ug/L	50	52.2	104	73-133	
Chlorobenzene	ug/L	50	49.5	99	76-118	
Chloroethane	ug/L	50	71.5	143	50-147	
Chloroform	ug/L	50	48.5	97	70-119	
Chloromethane	ug/L	50	51.8	104	52-136	
cis-1,2-Dichloroethene	ug/L	50	49.6	99	74-120	
cis-1,3-Dichloropropene	ug/L	50	49.1	98	71-134	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50159066

LABORATORY CONTROL SAMPLE: 1673133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	54.9J	110	86-122	N2
Dibromochloromethane	ug/L	50	47.5	95	73-127	
Dichlorodifluoromethane	ug/L	50	51.6	103	39-166	
Ethylbenzene	ug/L	50	49.6	99	75-123	
Isopropylbenzene (Cumene)	ug/L	50	45.7	91	84-134	
Methyl acetate	ug/L	50	55.3	111	68-192	N2
Methyl-tert-butyl ether	ug/L	50	55.3	111	65-131	
Methylcyclohexane	ug/L	50	55.3	111	89-122	N2
Methylene Chloride	ug/L	50	50.3	101	66-130	
Styrene	ug/L	50	47.7	95	78-128	
Tetrachloroethene	ug/L	50	43.3	87	69-119	
Toluene	ug/L	50	44.3	89	74-122	
trans-1,2-Dichloroethene	ug/L	50	52.7	105	72-122	
trans-1,3-Dichloropropene	ug/L	50	52.6	105	66-135	
Trichloroethene	ug/L	50	48.1	96	75-123	
Trichlorofluoromethane	ug/L	50	67.5	135	58-148	
Vinyl chloride	ug/L	50	60.7	121	61-147	
Xylene (Total)	ug/L	150	144	96	75-127	
4-Bromofluorobenzene (S)	%			88	79-116	
Dibromofluoromethane (S)	%			100	84-118	
Toluene-d8 (S)	%			93	86-110	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50159066

QC Batch: 362061

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50159066016, 50159066017, 50159066018, 50159066019, 50159066020, 50159066021, 50159066022

METHOD BLANK: 1673134

Matrix: Water

Associated Lab Samples: 50159066016, 50159066017, 50159066018, 50159066019, 50159066020, 50159066021, 50159066022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/17/16 03:05	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/17/16 03:05	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/17/16 03:05	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/17/16 03:05	
1,1-Dichloroethane	ug/L	ND	5.0	11/17/16 03:05	
1,1-Dichloroethene	ug/L	ND	5.0	11/17/16 03:05	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/17/16 03:05	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/17/16 03:05	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/17/16 03:05	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/17/16 03:05	
1,2-Dichloroethane	ug/L	ND	5.0	11/17/16 03:05	
1,2-Dichloropropane	ug/L	ND	5.0	11/17/16 03:05	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/17/16 03:05	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/17/16 03:05	
2-Butanone (MEK)	ug/L	ND	25.0	11/17/16 03:05	
2-Hexanone	ug/L	ND	25.0	11/17/16 03:05	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/17/16 03:05	
Acetone	ug/L	ND	100	11/17/16 03:05	
Benzene	ug/L	ND	5.0	11/17/16 03:05	
Bromodichloromethane	ug/L	ND	5.0	11/17/16 03:05	
Bromoform	ug/L	ND	5.0	11/17/16 03:05	
Bromomethane	ug/L	ND	5.0	11/17/16 03:05	
Carbon disulfide	ug/L	ND	10.0	11/17/16 03:05	
Carbon tetrachloride	ug/L	ND	5.0	11/17/16 03:05	
Chlorobenzene	ug/L	ND	5.0	11/17/16 03:05	
Chloroethane	ug/L	ND	5.0	11/17/16 03:05	
Chloroform	ug/L	ND	5.0	11/17/16 03:05	
Chloromethane	ug/L	ND	5.0	11/17/16 03:05	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/17/16 03:05	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/17/16 03:05	
Cyclohexane	ug/L	ND	100	11/17/16 03:05	N2
Dibromochloromethane	ug/L	ND	5.0	11/17/16 03:05	
Dichlorodifluoromethane	ug/L	ND	5.0	11/17/16 03:05	
Ethylbenzene	ug/L	ND	5.0	11/17/16 03:05	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/17/16 03:05	
Methyl acetate	ug/L	ND	50.0	11/17/16 03:05	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/17/16 03:05	
Methylcyclohexane	ug/L	ND	50.0	11/17/16 03:05	N2
Methylene Chloride	ug/L	ND	5.0	11/17/16 03:05	
Styrene	ug/L	ND	5.0	11/17/16 03:05	
Tetrachloroethene	ug/L	ND	5.0	11/17/16 03:05	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50159066

METHOD BLANK: 1673134

Matrix: Water

Associated Lab Samples: 50159066016, 50159066017, 50159066018, 50159066019, 50159066020, 50159066021, 50159066022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/17/16 03:05	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/17/16 03:05	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/17/16 03:05	
Trichloroethene	ug/L	ND	5.0	11/17/16 03:05	
Trichlorofluoromethane	ug/L	ND	5.0	11/17/16 03:05	
Vinyl chloride	ug/L	ND	2.0	11/17/16 03:05	
Xylene (Total)	ug/L	ND	10.0	11/17/16 03:05	
4-Bromofluorobenzene (S)	%	100	79-116	11/17/16 03:05	
Dibromofluoromethane (S)	%	99	84-118	11/17/16 03:05	
Toluene-d8 (S)	%	104	86-110	11/17/16 03:05	

LABORATORY CONTROL SAMPLE: 1673135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.6	101	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	54.2	108	72-124	
1,1,2-Trichloroethane	ug/L	50	52.2	104	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	50.7	101	80-111	
1,1-Dichloroethane	ug/L	50	50.6	101	70-120	
1,1-Dichloroethene	ug/L	50	45.3	91	69-127	
1,2,4-Trichlorobenzene	ug/L	50	55.4	111	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	51.3	103	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	53.5	107	76-125	
1,2-Dichlorobenzene	ug/L	50	49.6	99	77-122	
1,2-Dichloroethane	ug/L	50	45.5	91	70-123	
1,2-Dichloropropane	ug/L	50	55.9	112	77-124	
1,3-Dichlorobenzene	ug/L	50	51.2	102	76-124	
1,4-Dichlorobenzene	ug/L	50	49.1	98	75-117	
2-Butanone (MEK)	ug/L	250	269	108	60-135	
2-Hexanone	ug/L	250	268	107	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	280	112	66-134	
Acetone	ug/L	250	239	96	47-144	
Benzene	ug/L	50	51.2	102	76-122	
Bromodichloromethane	ug/L	50	50.6	101	71-124	
Bromoform	ug/L	50	54.5	109	60-125	
Bromomethane	ug/L	50	48.7	97	23-194	
Carbon disulfide	ug/L	50	55.9	112	63-130	
Carbon tetrachloride	ug/L	50	52.4	105	73-133	
Chlorobenzene	ug/L	50	49.8	100	76-118	
Chloroethane	ug/L	50	65.5	131	50-147	
Chloroform	ug/L	50	51.0	102	70-119	
Chloromethane	ug/L	50	48.7	97	52-136	
cis-1,2-Dichloroethene	ug/L	50	51.7	103	74-120	
cis-1,3-Dichloropropene	ug/L	50	50.7	101	71-134	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50159066

LABORATORY CONTROL SAMPLE: 1673135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	60.5J	121	86-122	N2
Dibromochloromethane	ug/L	50	54.5	109	73-127	
Dichlorodifluoromethane	ug/L	50	46.7	93	39-166	
Ethylbenzene	ug/L	50	54.4	109	75-123	
Isopropylbenzene (Cumene)	ug/L	50	51.1	102	84-134	
Methyl acetate	ug/L	50	46.5J	93	68-192	N2
Methyl-tert-butyl ether	ug/L	50	49.2	98	65-131	
Methylcyclohexane	ug/L	50	57.4	115	89-122	N2
Methylene Chloride	ug/L	50	44.5	89	66-130	
Styrene	ug/L	50	53.8	108	78-128	
Tetrachloroethene	ug/L	50	47.0	94	69-119	
Toluene	ug/L	50	50.0	100	74-122	
trans-1,2-Dichloroethene	ug/L	50	46.7	93	72-122	
trans-1,3-Dichloropropene	ug/L	50	52.5	105	66-135	
Trichloroethene	ug/L	50	50.3	101	75-123	
Trichlorofluoromethane	ug/L	50	60.0	120	58-148	
Vinyl chloride	ug/L	50	54.1	108	61-147	
Xylene (Total)	ug/L	150	157	105	75-127	
4-Bromofluorobenzene (S)	%			100	79-116	
Dibromofluoromethane (S)	%			99	84-118	
Toluene-d8 (S)	%			104	86-110	

MATRIX SPIKE SAMPLE: 1673136

Parameter	Units	50159066017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	33.0	66	51-140	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	27.4	55	49-138	
1,1,2-Trichloroethane	ug/L	ND	50	30.6	61	51-138	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	38.1	76	59-124	
1,1-Dichloroethane	ug/L	ND	50	38.4	77	48-137	
1,1-Dichloroethene	ug/L	ND	50	34.9	70	51-144	
1,2,4-Trichlorobenzene	ug/L	ND	50	25.0	50	27-134	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	27.5	55	37-127	
1,2-Dibromoethane (EDB)	ug/L	ND	50	30.4	61	52-134	
1,2-Dichlorobenzene	ug/L	ND	50	26.1	52	38-138	
1,2-Dichloroethane	ug/L	ND	50	30.6	61	44-144	
1,2-Dichloropropane	ug/L	ND	50	30.9	62	56-138	
1,3-Dichlorobenzene	ug/L	ND	50	26.6	53	36-139	
1,4-Dichlorobenzene	ug/L	ND	50	25.1	50	34-134	
2-Butanone (MEK)	ug/L	ND	250	193	77	44-142	
2-Hexanone	ug/L	ND	250	146	58	43-150	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	155	62	46-143	
Acetone	ug/L	ND	250	165	65	33-150	
Benzene	ug/L	ND	50	31.2	62	51-140	
Bromodichloromethane	ug/L	ND	50	31.4	63	46-137	

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QUALITY CONTROL DATA

Project: Racer-Kokomo
Pace Project No.: 50159066

MATRIX SPIKE SAMPLE:		1673136					
Parameter	Units	50159066017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	ND	50	26.0	52	36-127	
Bromomethane	ug/L	ND	50	25.4	51	10-188	
Carbon disulfide	ug/L	ND	50	42.5	85	35-148	
Carbon tetrachloride	ug/L	ND	50	32.1	64	45-151	
Chlorobenzene	ug/L	ND	50	29.1	58	45-138	
Chloroethane	ug/L	ND	50	44.1	88	33-164	
Chloroform	ug/L	ND	50	34.2	68	50-135	
Chloromethane	ug/L	ND	50	28.9	58	38-146	
cis-1,2-Dichloroethene	ug/L	1.9J	50	40.8	78	43-144	
cis-1,3-Dichloropropene	ug/L	ND	50	27.9	56	42-136	
Cyclohexane	ug/L	ND	50	31.6J	63	67-139	M1,N2
Dibromochloromethane	ug/L	ND	50	30.3	61	45-136	
Dichlorodifluoromethane	ug/L	ND	50	34.8	70	29-174	
Ethylbenzene	ug/L	ND	50	28.9	58	36-146	
Isopropylbenzene (Cumene)	ug/L	ND	50	29.1	58	43-159	
Methyl acetate	ug/L	ND	50	32.2J	64	33-183	N2
Methyl-tert-butyl ether	ug/L	ND	50	33.4	67	43-146	
Methylcyclohexane	ug/L	ND	50	31.9J	64	60-140	N2
Methylene Chloride	ug/L	ND	50	31.6	63	48-140	
Styrene	ug/L	ND	50	30.1	60	31-148	
Tetrachloroethene	ug/L	ND	50	26.8	54	38-139	
Toluene	ug/L	0.28J	50	27.9	55	44-140	
trans-1,2-Dichloroethene	ug/L	0.21J	50	35.3	70	50-139	
trans-1,3-Dichloropropene	ug/L	ND	50	29.0	58	37-138	
Trichloroethene	ug/L	0.21J	50	32.1	64	44-146	
Trichlorofluoromethane	ug/L	ND	50	42.5	85	41-164	
Vinyl chloride	ug/L	ND	50	40.5	81	43-166	
Xylene (Total)	ug/L	ND	150	88.4	59	35-146	
4-Bromofluorobenzene (S)	%				101	79-116	
Dibromofluoromethane (S)	%				101	84-118	
Toluene-d8 (S)	%				99	86-110	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50159066

QC Batch: 362303

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50159066005, 50159066006, 50159066011, 50159066012, 50159066013, 50159066014, 50159066015

METHOD BLANK: 1674361

Matrix: Water

Associated Lab Samples: 50159066005, 50159066006, 50159066011, 50159066012, 50159066013, 50159066014, 50159066015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/18/16 00:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/18/16 00:28	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/18/16 00:28	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/18/16 00:28	
1,1-Dichloroethane	ug/L	ND	5.0	11/18/16 00:28	
1,1-Dichloroethene	ug/L	ND	5.0	11/18/16 00:28	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/18/16 00:28	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/18/16 00:28	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/18/16 00:28	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/18/16 00:28	
1,2-Dichloroethane	ug/L	ND	5.0	11/18/16 00:28	
1,2-Dichloropropane	ug/L	ND	5.0	11/18/16 00:28	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/18/16 00:28	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/18/16 00:28	
2-Butanone (MEK)	ug/L	ND	25.0	11/18/16 00:28	
2-Hexanone	ug/L	ND	25.0	11/18/16 00:28	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/18/16 00:28	
Acetone	ug/L	ND	100	11/18/16 00:28	
Benzene	ug/L	ND	5.0	11/18/16 00:28	
Bromodichloromethane	ug/L	ND	5.0	11/18/16 00:28	
Bromoform	ug/L	ND	5.0	11/18/16 00:28	
Bromomethane	ug/L	ND	5.0	11/18/16 00:28	
Carbon disulfide	ug/L	ND	10.0	11/18/16 00:28	
Carbon tetrachloride	ug/L	ND	5.0	11/18/16 00:28	
Chlorobenzene	ug/L	ND	5.0	11/18/16 00:28	
Chloroethane	ug/L	ND	5.0	11/18/16 00:28	
Chloroform	ug/L	ND	5.0	11/18/16 00:28	
Chloromethane	ug/L	ND	5.0	11/18/16 00:28	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/18/16 00:28	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/18/16 00:28	
Cyclohexane	ug/L	ND	100	11/18/16 00:28	N2
Dibromochloromethane	ug/L	ND	5.0	11/18/16 00:28	
Dichlorodifluoromethane	ug/L	ND	5.0	11/18/16 00:28	
Ethylbenzene	ug/L	ND	5.0	11/18/16 00:28	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/18/16 00:28	
Methyl acetate	ug/L	ND	50.0	11/18/16 00:28	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/18/16 00:28	
Methylcyclohexane	ug/L	ND	50.0	11/18/16 00:28	N2
Methylene Chloride	ug/L	ND	5.0	11/18/16 00:28	
Styrene	ug/L	ND	5.0	11/18/16 00:28	
Tetrachloroethene	ug/L	ND	5.0	11/18/16 00:28	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50159066

METHOD BLANK: 1674361

Matrix: Water

Associated Lab Samples: 50159066005, 50159066006, 50159066011, 50159066012, 50159066013, 50159066014, 50159066015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/18/16 00:28	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/18/16 00:28	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/18/16 00:28	
Trichloroethene	ug/L	ND	5.0	11/18/16 00:28	
Trichlorofluoromethane	ug/L	ND	5.0	11/18/16 00:28	
Vinyl chloride	ug/L	ND	2.0	11/18/16 00:28	
Xylene (Total)	ug/L	ND	10.0	11/18/16 00:28	
4-Bromofluorobenzene (S)	%	102	79-116	11/18/16 00:28	
Dibromofluoromethane (S)	%	96	84-118	11/18/16 00:28	
Toluene-d8 (S)	%	101	86-110	11/18/16 00:28	

LABORATORY CONTROL SAMPLE: 1674362

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.9	98	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	51.3	103	72-124	
1,1,2-Trichloroethane	ug/L	50	49.7	99	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	48.5	97	80-111	
1,1-Dichloroethane	ug/L	50	48.7	97	70-120	
1,1-Dichloroethene	ug/L	50	44.1	88	69-127	
1,2,4-Trichlorobenzene	ug/L	50	54.8	110	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	47.4	95	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	48.6	97	76-125	
1,2-Dichlorobenzene	ug/L	50	48.2	96	77-122	
1,2-Dichloroethane	ug/L	50	44.2	88	70-123	
1,2-Dichloropropane	ug/L	50	52.8	106	77-124	
1,3-Dichlorobenzene	ug/L	50	48.2	96	76-124	
1,4-Dichlorobenzene	ug/L	50	46.8	94	75-117	
2-Butanone (MEK)	ug/L	250	270	108	60-135	
2-Hexanone	ug/L	250	268	107	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	266	107	66-134	
Acetone	ug/L	250	226	90	47-144	
Benzene	ug/L	50	50.4	101	76-122	
Bromodichloromethane	ug/L	50	50.4	101	71-124	
Bromoform	ug/L	50	51.1	102	60-125	
Bromomethane	ug/L	50	44.4	89	23-194	
Carbon disulfide	ug/L	50	52.8	106	63-130	
Carbon tetrachloride	ug/L	50	48.7	97	73-133	
Chlorobenzene	ug/L	50	47.0	94	76-118	
Chloroethane	ug/L	50	62.6	125	50-147	
Chloroform	ug/L	50	49.3	99	70-119	
Chloromethane	ug/L	50	45.5	91	52-136	
cis-1,2-Dichloroethene	ug/L	50	49.6	99	74-120	
cis-1,3-Dichloropropene	ug/L	50	50.4	101	71-134	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50159066

LABORATORY CONTROL SAMPLE: 1674362

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	59.2J	118	86-122	N2
Dibromochloromethane	ug/L	50	50.8	102	73-127	
Dichlorodifluoromethane	ug/L	50	44.1	88	39-166	
Ethylbenzene	ug/L	50	50.1	100	75-123	
Isopropylbenzene (Cumene)	ug/L	50	49.3	99	84-134	
Methyl acetate	ug/L	50	47.8J	96	68-192	N2
Methyl-tert-butyl ether	ug/L	50	46.5	93	65-131	
Methylcyclohexane	ug/L	50	55.6	111	89-122	N2
Methylene Chloride	ug/L	50	42.5	85	66-130	
Styrene	ug/L	50	52.4	105	78-128	
Tetrachloroethene	ug/L	50	43.9	88	69-119	
Toluene	ug/L	50	47.7	95	74-122	
trans-1,2-Dichloroethene	ug/L	50	43.8	88	72-122	
trans-1,3-Dichloropropene	ug/L	50	51.3	103	66-135	
Trichloroethene	ug/L	50	48.8	98	75-123	
Trichlorofluoromethane	ug/L	50	56.2	112	58-148	
Vinyl chloride	ug/L	50	48.8	98	61-147	
Xylene (Total)	ug/L	150	153	102	75-127	
4-Bromofluorobenzene (S)	%			106	79-116	
Dibromofluoromethane (S)	%			101	84-118	
Toluene-d8 (S)	%			104	86-110	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50159066

QC Batch: 363372

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50159066007

METHOD BLANK: 1679061

Matrix: Water

Associated Lab Samples: 50159066007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/18/16 12:24	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/18/16 12:24	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/18/16 12:24	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/18/16 12:24	
1,1-Dichloroethane	ug/L	ND	5.0	11/18/16 12:24	
1,1-Dichloroethene	ug/L	ND	5.0	11/18/16 12:24	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/18/16 12:24	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/18/16 12:24	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/18/16 12:24	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/18/16 12:24	
1,2-Dichloroethane	ug/L	ND	5.0	11/18/16 12:24	
1,2-Dichloropropane	ug/L	ND	5.0	11/18/16 12:24	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/18/16 12:24	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/18/16 12:24	
2-Butanone (MEK)	ug/L	ND	25.0	11/18/16 12:24	
2-Hexanone	ug/L	ND	25.0	11/18/16 12:24	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/18/16 12:24	
Acetone	ug/L	ND	100	11/18/16 12:24	
Benzene	ug/L	ND	5.0	11/18/16 12:24	
Bromodichloromethane	ug/L	ND	5.0	11/18/16 12:24	
Bromoform	ug/L	ND	5.0	11/18/16 12:24	
Bromomethane	ug/L	2.5J	5.0	11/18/16 12:24	
Carbon disulfide	ug/L	ND	10.0	11/18/16 12:24	
Carbon tetrachloride	ug/L	ND	5.0	11/18/16 12:24	
Chlorobenzene	ug/L	ND	5.0	11/18/16 12:24	
Chloroethane	ug/L	ND	5.0	11/18/16 12:24	
Chloroform	ug/L	ND	5.0	11/18/16 12:24	
Chloromethane	ug/L	ND	5.0	11/18/16 12:24	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/18/16 12:24	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/18/16 12:24	
Cyclohexane	ug/L	ND	100	11/18/16 12:24	N2
Dibromochloromethane	ug/L	ND	5.0	11/18/16 12:24	
Dichlorodifluoromethane	ug/L	ND	5.0	11/18/16 12:24	
Ethylbenzene	ug/L	ND	5.0	11/18/16 12:24	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/18/16 12:24	
Methyl acetate	ug/L	ND	50.0	11/18/16 12:24	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/18/16 12:24	
Methylcyclohexane	ug/L	ND	50.0	11/18/16 12:24	N2
Methylene Chloride	ug/L	ND	5.0	11/18/16 12:24	
Styrene	ug/L	ND	5.0	11/18/16 12:24	
Tetrachloroethene	ug/L	ND	5.0	11/18/16 12:24	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50159066

METHOD BLANK: 1679061

Matrix: Water

Associated Lab Samples: 50159066007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/18/16 12:24	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/18/16 12:24	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/18/16 12:24	
Trichloroethene	ug/L	ND	5.0	11/18/16 12:24	
Trichlorofluoromethane	ug/L	ND	5.0	11/18/16 12:24	
Vinyl chloride	ug/L	ND	2.0	11/18/16 12:24	
Xylene (Total)	ug/L	ND	10.0	11/18/16 12:24	
4-Bromofluorobenzene (S)	%	95	79-116	11/18/16 12:24	
Dibromofluoromethane (S)	%	99	84-118	11/18/16 12:24	
Toluene-d8 (S)	%	95	86-110	11/18/16 12:24	

LABORATORY CONTROL SAMPLE: 1679062

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.3	103	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	49.4	99	72-124	
1,1,2-Trichloroethane	ug/L	50	50.1	100	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	57.0	114	80-111	L0
1,1-Dichloroethane	ug/L	50	47.6	95	70-120	
1,1-Dichloroethene	ug/L	50	51.3	103	69-127	
1,2,4-Trichlorobenzene	ug/L	50	60.6	121	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	47.5	95	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	51.7	103	76-125	
1,2-Dichlorobenzene	ug/L	50	50.1	100	77-122	
1,2-Dichloroethane	ug/L	50	46.0	92	70-123	
1,2-Dichloropropane	ug/L	50	52.3	105	77-124	
1,3-Dichlorobenzene	ug/L	50	49.7	99	76-124	
1,4-Dichlorobenzene	ug/L	50	48.4	97	75-117	
2-Butanone (MEK)	ug/L	250	273	109	60-135	
2-Hexanone	ug/L	250	256	102	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	255	102	66-134	
Acetone	ug/L	250	264	106	47-144	
Benzene	ug/L	50	49.2	98	76-122	
Bromodichloromethane	ug/L	50	51.3	103	71-124	
Bromoform	ug/L	50	51.3	103	60-125	
Bromomethane	ug/L	50	36.1	72	23-194	
Carbon disulfide	ug/L	50	58.7	117	63-130	
Carbon tetrachloride	ug/L	50	50.8	102	73-133	
Chlorobenzene	ug/L	50	48.5	97	76-118	
Chloroethane	ug/L	50	70.8	142	50-147	
Chloroform	ug/L	50	48.0	96	70-119	
Chloromethane	ug/L	50	46.7	93	52-136	
cis-1,2-Dichloroethene	ug/L	50	50.7	101	74-120	
cis-1,3-Dichloropropene	ug/L	50	49.8	100	71-134	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50159066

LABORATORY CONTROL SAMPLE: 1679062

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	56.7J	113	86-122	N2
Dibromochloromethane	ug/L	50	51.3	103	73-127	
Dichlorodifluoromethane	ug/L	50	46.8	94	39-166	
Ethylbenzene	ug/L	50	50.1	100	75-123	
Isopropylbenzene (Cumene)	ug/L	50	49.0	98	84-134	
Methyl acetate	ug/L	50	53.6	107	68-192	N2
Methyl-tert-butyl ether	ug/L	50	53.1	106	65-131	
Methylcyclohexane	ug/L	50	56.7	113	89-122	N2
Methylene Chloride	ug/L	50	52.0	104	66-130	
Styrene	ug/L	50	51.3	103	78-128	
Tetrachloroethene	ug/L	50	47.0	94	69-119	
Toluene	ug/L	50	46.7	93	74-122	
trans-1,2-Dichloroethene	ug/L	50	50.7	101	72-122	
trans-1,3-Dichloropropene	ug/L	50	51.5	103	66-135	
Trichloroethene	ug/L	50	50.4	101	75-123	
Trichlorofluoromethane	ug/L	50	65.1	130	58-148	
Vinyl chloride	ug/L	50	56.5	113	61-147	
Xylene (Total)	ug/L	150	157	105	75-127	
4-Bromofluorobenzene (S)	%			101	79-116	
Dibromofluoromethane (S)	%			98	84-118	
Toluene-d8 (S)	%			102	86-110	

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QUALIFIERS

Project: Racer-Kokomo
Pace Project No.: 50159066

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D4 Sample was diluted due to the presence of high levels of target analytes.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Racer-Kokomo

Pace Project No.: 50159066

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50159066001	TB-01 (111416)	EPA 8260	362060		
50159066002	SB-1611 (28-31)	EPA 8260	362060		
50159066003	SB-1611 (25-28)	EPA 8260	362060		
50159066004	SB-1611 (22-25)	EPA 8260	362060		
50159066005	SB-1611 (19-22)	EPA 8260	362303		
50159066006	SB-1611 (16-19)	EPA 8260	362303		
50159066007	SB-1613 (31-34)	EPA 8260	363372		
50159066008	SB-1613 (28-31)	EPA 8260	362060		
50159066009	SB-1613 (25-28)	EPA 8260	362060		
50159066010	SB-1613 (22-25)	EPA 8260	362060		
50159066011	SB-1613 (19-22)	EPA 8260	362303		
50159066012	SB-1617 (34-37)	EPA 8260	362303		
50159066013	SB-1617 (31-34)	EPA 8260	362303		
50159066014	SB-1617 (28-31)	EPA 8260	362303		
50159066015	SB-1617 (25-28)	EPA 8260	362303		
50159066016	SB-1617 (18-21)	EPA 8260	362061		
50159066017	SB-1620 (28-31)	EPA 8260	362061		
50159066018	SB-1620 (25-28)	EPA 8260	362061		
50159066019	SB-1620 (22-25)	EPA 8260	362061		
50159066020	SB-1620 (18-21)	EPA 8260	362061		
50159066021	DUP-06 (111516)	EPA 8260	362061		
50159066022	DUP-07 (111516)	EPA 8260	362061		

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A	Section B	Section C
Required Client Information:	Required Project Information:	Invoice Information:
Company: Arcadis	Report To: Jesse Wryght	Attention:
Address: 172 E Washington	Copy To: Matt Briles	Company Name:
Wilmington, NC 28404	Wal Store / Lake Park	Address:
Email To: Jesse Wryght	Purchase Order No.: 1MCR2934.2016	Pace Quote Reference:
Phone: 917-231-6500 Fax:	Project Name: RACEA - ROPANO	Pace Project Manager:
Requested Due Date/TAT: Std-No Hll	Project Number: 1MCR2934.2016	Pace Profile #:
		REGULATORY AGENCY
		☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER _____
		Site Location STATE: IN

[illegible][illegible]

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: ALACRIS Address: 132 Washington St Phone: 781-211-6800 Email: info@alacris.com Project Name: Water - Lake Mass Project Number: 1000584, 2016 Requested Due Date (A/T): Feb. 16, 2016		Section B Required Project Information: Report To: Regent Copy To: Paul Brookes Purchase Order No.: 1000584, 2016 Project Name: Water - Lake Mass Project Number: 1000584, 2016		Section C Invoice Information: Attention: Regent Company Name: Regent Address: 132 Washington St Pace Quote Reference: 1000584, 2016 Pace Project Manager: Patty Jones Pace Profile #: 1000584, 2016	
Regulatory Agency: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER		Site Location: STATE: MA		Page: 2 of 2 2159030	

ITEM #	Section D Required Client Information		Matrix Codes MATRIX / CODE		SAMPLE TYPE (G=GRAB C=COMP)		COLLECTED		SAMPLE TEMP AT COLLECTION		Preservatives							Analysis Test ↑		Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.				
	SAMPLE ID (A-Z, 0-9 / -)		Drinking Water DW	Waste Water WW	Product P	Soil/Solid SL	Oil OL	Wipe WP	Air AR	Tissue TS	Other	COMPOSITE START	COMPOSITE END/GRAB	# OF CONTAINERS		Unpreserved	H ₂ SO ₄	HNO ₃	HCl			NaOH	Na ₂ S ₂ O ₃	Methanol	Other
1	50-1617	(31-34)													2	X									013
2	50-1617	(28-31)													1										014
3	50-1617	(25-28)													1										015
4	50-1617	(22-25)													1										016
5	50-1617	(18-21)													3										017
6	50-1620	(28-31)													3										018
7	50-1620	(25-28)													3										019
8	50-1620	(22-25)													3										020
9	50-1620	(18-21)													3										021
10	DW-06	(11516)													3										022
11	DW-02	(11516)													3										022
12															3										022

Section G ADDITIONAL COMMENTS: *No HPLC sample vials -Non preserved		Section H RELINQUISHED BY / AFFILIATION: DATE: 11/15/16 TIME: 1530 SIGNATURE: [Signature]		Section I ACCEPTED BY / AFFILIATION: DATE: 11/15/16 TIME: 1530 SIGNATURE: [Signature]		Section J SAMPLE CONDITIONS: Temp in °C: 16 Received on: 11/15/16 Sealed Cooler: Y Samples Intact: Y	

Sample Condition Upon Receipt



Client Name: ARCADIS

Project # 50159066

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

Thermometer 1 2 3 4 5 6 A B C D E F

Type of Ice: Wet Blue None ☒ Samples on ice, cooling process has begun

Cooler Temperature 1.6°/1.6°
(Initial/Corrected)

Ice Visible in Sample Containers: ☐ yes ☐ no

Temp should be above freezing to 6°C

Comments:

Date and initials of person examining contents: ML 11-15-16

Are samples from West Virginia?	☐ Yes ☒ No	1.
Document any containers out of temp.		
Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	3.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	4.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	7.
Containers Intact:	☐ Yes ☒ No ☐ N/A	8. <u>BROKEN SAMPLES W/ ICE = SB-1617 (22-28) SB-1617 (28-28)</u> <u>SB-1617 - (31-34)</u>
Sample Labels match COC: -Includes date/time/ID/Analysis	☒ Yes ☐ No ☐ N/A	9.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☐ Yes ☐ No ☒ N/A	10 (Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12. Present Absent
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	13
Headspace Wisconsin Sulfide	☐ Yes ☐ No	14
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	15
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	15.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	16.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	17.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

Project Manager Review: K. Jones

Date: 11-16-16

CLIENT: ARCADIS

Project # 50159066

Bulk
Kit

Sample Line

AG1U WGFU AG0U R 4 / 6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H BP3C BP1U SP5T AG2U

pH < 2 pH > 9 pH > 12

Matrix S1/W/Ot
(Soil/Water/Other)

[illegible]

Container Codes		AG0U	BP1N	DG9P
DG9H	40mL HCL amber vial	100mL unpreserved amber glass	1 liter HNO3 plastic	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H 1 liter HCL amber glass	BP1S 1 liter H2SO4 plastic	DG9S 40mL H2SO4 amber vial
WG9U	4oz clear soil jar	AG1S 1 liter H2SO4 amber glass	BP1U 1 liter unpreserved plastic	DG9T 40mL Na Thio amber vial
R	terra core kit	AG1T 1 liter Na Thiosulfate amber glass	BP1Z 1 liter NaOH, Zn, Ac	DG9U 40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N 500mL HNO3 amber glass	BP2A 500mL NaOH, Asc Acid plastic	SP5T 120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S 500mL H2SO4 amber glass	BP2O 500mL NaOH plastic	JGFU 4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U 500mL unpreserved amber glass	BP2Z 500mL NaOH, Zn Ac	U Summa Can
BP3N	250mL HNO3 plastic	AG3U 250mL unpreserved amber glass	AF Air Filter	VG9H 40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H 1 liter HCL clear glass	BP3C 250mL NaOH plastic	VG9T 40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S 1 liter H2SO4 clear glass	BP3Z 250mL NaOH, Zn Ac plastic	VG9U 40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T 1 liter Na Thiosulfate clear glass	C Air Cassettes	VSG Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U 1 liter unpreserved glass	DG9B 40mL Na Bisulfate amber vial	WGFX 4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A 1 liter NaOH, Asc Acid plastic	DG9M 40mL MeOH clear vial	ZPLC Ziploc Bag

November 28, 2016

Jesse Wright
Arcadis U.S., Inc.
132 E. Washington Street
Suite 600
Indianapolis, IN 46204

RE: Project: Racer-Kokomo
Pace Project No.: 50159310

Dear Jesse Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on November 17, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kelly Jones
kelly.jones@pacelabs.com
Project Manager

Enclosures

cc: Ms. Sarah Fisher, Arcadis
Mr. Matt Griles, Arcadis U.S., Inc.
Mr. Luke Martin, Arcadis
Ms. Lauren Werckenthien, Arcadis



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Racer-Kokomo

Pace Project No.: 50159310

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 003971

Indiana Certification #: C-49-06

Kansas/NELAP Certification #:E-10177

Kentucky UST Certification #: 80226

Kentucky WW Certification #:98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2016-075

Texas Certification #: T104704355-16-10

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-16-00257

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Racer-Kokomo

Pace Project No.: 50159310

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50159310001	WC-1 (111616)	Water	11/16/16 16:15	11/17/16 10:03

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Racer-Kokomo

Pace Project No.: 50159310

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50159310001	WC-1 (111616)	EPA 8260	TMW	51

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SUMMARY OF DETECTION

Project: Racer-Kokomo

Pace Project No.: 50159310

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50159310001	WC-1 (111616)					
EPA 8260	cis-1,2-Dichloroethene	78.7	ug/L	5.0	11/24/16 00:49	
EPA 8260	trans-1,2-Dichloroethene	6.3	ug/L	5.0	11/24/16 00:49	
EPA 8260	Trichloroethene	135	ug/L	5.0	11/24/16 00:49	

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159310

Sample: WC-1 (111616)		Lab ID: 50159310001	Collected: 11/16/16 16:15	Received: 11/17/16 10:03	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		11/24/16 00:49	67-64-1	
Benzene	ND	ug/L	5.0	1		11/24/16 00:49	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		11/24/16 00:49	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/24/16 00:49	75-25-2	
Bromomethane	ND	ug/L	5.0	1		11/24/16 00:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		11/24/16 00:49	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/24/16 00:49	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/24/16 00:49	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/24/16 00:49	108-90-7	
Chloroethane	ND	ug/L	5.0	1		11/24/16 00:49	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/24/16 00:49	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/24/16 00:49	74-87-3	
Cyclohexane	ND	ug/L	100	1		11/24/16 00:49	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		11/24/16 00:49	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/24/16 00:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/24/16 00:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/24/16 00:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/24/16 00:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/24/16 00:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/24/16 00:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/24/16 00:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/24/16 00:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/24/16 00:49	75-35-4	
cis-1,2-Dichloroethene	78.7	ug/L	5.0	1		11/24/16 00:49	156-59-2	
trans-1,2-Dichloroethene	6.3	ug/L	5.0	1		11/24/16 00:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/24/16 00:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/24/16 00:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/24/16 00:49	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/24/16 00:49	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		11/24/16 00:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/24/16 00:49	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		11/24/16 00:49	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		11/24/16 00:49	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		11/24/16 00:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		11/24/16 00:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		11/24/16 00:49	1634-04-4	
Styrene	ND	ug/L	5.0	1		11/24/16 00:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/24/16 00:49	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/24/16 00:49	127-18-4	
Toluene	ND	ug/L	5.0	1		11/24/16 00:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/24/16 00:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/24/16 00:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/24/16 00:49	79-00-5	
Trichloroethene	135	ug/L	5.0	1		11/24/16 00:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		11/24/16 00:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		11/24/16 00:49	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		11/24/16 00:49	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Racer-Kokomo

Pace Project No.: 50159310

Sample: WC-1 (111616)		Lab ID: 50159310001		Collected: 11/16/16 16:15		Received: 11/17/16 10:03		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		11/24/16 00:49	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		106	%.	84-118	1		11/24/16 00:49	1868-53-7	H1,pH
4-Bromofluorobenzene (S)		101	%.	79-116	1		11/24/16 00:49	460-00-4	
Toluene-d8 (S)		104	%.	86-110	1		11/24/16 00:49	2037-26-5	

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50159310

QC Batch: 363403

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50159310001

METHOD BLANK: 1679260

Matrix: Water

Associated Lab Samples: 50159310001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/23/16 22:56	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/23/16 22:56	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/23/16 22:56	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	11/23/16 22:56	
1,1-Dichloroethane	ug/L	ND	5.0	11/23/16 22:56	
1,1-Dichloroethene	ug/L	ND	5.0	11/23/16 22:56	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/23/16 22:56	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	11/23/16 22:56	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/23/16 22:56	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/23/16 22:56	
1,2-Dichloroethane	ug/L	ND	5.0	11/23/16 22:56	
1,2-Dichloropropane	ug/L	ND	5.0	11/23/16 22:56	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/23/16 22:56	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/23/16 22:56	
2-Butanone (MEK)	ug/L	ND	25.0	11/23/16 22:56	
2-Hexanone	ug/L	ND	25.0	11/23/16 22:56	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/23/16 22:56	
Acetone	ug/L	ND	100	11/23/16 22:56	
Benzene	ug/L	ND	5.0	11/23/16 22:56	
Bromodichloromethane	ug/L	ND	5.0	11/23/16 22:56	
Bromoform	ug/L	ND	5.0	11/23/16 22:56	
Bromomethane	ug/L	ND	5.0	11/23/16 22:56	
Carbon disulfide	ug/L	ND	10.0	11/23/16 22:56	
Carbon tetrachloride	ug/L	ND	5.0	11/23/16 22:56	
Chlorobenzene	ug/L	ND	5.0	11/23/16 22:56	
Chloroethane	ug/L	ND	5.0	11/23/16 22:56	
Chloroform	ug/L	ND	5.0	11/23/16 22:56	
Chloromethane	ug/L	ND	5.0	11/23/16 22:56	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/23/16 22:56	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/23/16 22:56	
Cyclohexane	ug/L	ND	100	11/23/16 22:56	N2
Dibromochloromethane	ug/L	ND	5.0	11/23/16 22:56	
Dichlorodifluoromethane	ug/L	ND	5.0	11/23/16 22:56	
Ethylbenzene	ug/L	ND	5.0	11/23/16 22:56	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/23/16 22:56	
Methyl acetate	ug/L	ND	50.0	11/23/16 22:56	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	11/23/16 22:56	
Methylcyclohexane	ug/L	ND	50.0	11/23/16 22:56	N2
Methylene Chloride	ug/L	3.8J	5.0	11/23/16 22:56	
Styrene	ug/L	ND	5.0	11/23/16 22:56	
Tetrachloroethene	ug/L	ND	5.0	11/23/16 22:56	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Racer-Kokomo

Pace Project No.: 50159310

METHOD BLANK: 1679260

Matrix: Water

Associated Lab Samples: 50159310001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	11/23/16 22:56	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/23/16 22:56	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/23/16 22:56	
Trichloroethene	ug/L	ND	5.0	11/23/16 22:56	
Trichlorofluoromethane	ug/L	ND	5.0	11/23/16 22:56	
Vinyl chloride	ug/L	ND	2.0	11/23/16 22:56	
Xylene (Total)	ug/L	ND	10.0	11/23/16 22:56	
4-Bromofluorobenzene (S)	%	99	79-116	11/23/16 22:56	
Dibromofluoromethane (S)	%	103	84-118	11/23/16 22:56	
Toluene-d8 (S)	%	102	86-110	11/23/16 22:56	

LABORATORY CONTROL SAMPLE: 1679261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	46.5	93	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	47.7	95	72-124	
1,1-Dichloroethene	ug/L	50	44.9	90	69-127	
1,2-Dichloropropane	ug/L	50	49.4	99	77-124	
Benzene	ug/L	50	46.5	93	76-122	
Chlorobenzene	ug/L	50	46.0	92	76-118	
Chloroform	ug/L	50	46.6	93	70-119	
cis-1,2-Dichloroethene	ug/L	50	49.3	99	74-120	
Ethylbenzene	ug/L	50	48.6	97	75-123	
Isopropylbenzene (Cumene)	ug/L	50	45.7	91	84-134	
Methyl-tert-butyl ether	ug/L	50	48.9	98	65-131	
Tetrachloroethene	ug/L	50	48.9	98	69-119	
Toluene	ug/L	50	46.2	92	74-122	
trans-1,2-Dichloroethene	ug/L	50	48.0	96	72-122	
Trichloroethene	ug/L	50	48.6	97	75-123	
Vinyl chloride	ug/L	50	57.4	115	61-147	
Xylene (Total)	ug/L	150	138	92	75-127	
4-Bromofluorobenzene (S)	%			98	79-116	
Dibromofluoromethane (S)	%			97	84-118	
Toluene-d8 (S)	%			100	86-110	

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QUALIFIERS

Project: Racer-Kokomo
Pace Project No.: 50159310

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.
N2 The lab does not hold NELAC/TNI accreditation for this parameter.
pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Racer-Kokomo

Pace Project No.: 50159310

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50159310001	WC-1 (111616)	EPA 8260	363403		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt



Client Name: ARCADIS

Project # 50159310

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

Thermometer 1 2 3 4 5 6 A B C D E F

Type of Ice: Wet Blue None ☒ Samples on ice, cooling process has begun

Cooler Temperature 0.3°C/0.3°C
(Initial/Corrected)

Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: ML H-17-16

Are samples from West Virginia?	☐ Yes ☒ No	1.	
Document any containers out of temp.			
Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	2.	
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	3.	
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	4.	
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	5.	
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.	
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	7.	
Containers Intact:	☒ Yes ☐ No ☐ N/A	8.	
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	9.	
-Includes date/time/ID/Analysis			
All containers needing acid/base pres. have been checked?	☐ Yes ☐ No ☒ N/A	10.	(Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
exceptions: VOA, coliform, TOC, O&G			
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.			
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		11.	Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		12.	Present Absent
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	13.	
Headspace Wisconsin Sulfide	☐ Yes ☐ No	14.	
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	15.	
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A		
Project Manager Review			
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	15.	
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	16.	
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	17.	

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: R. Jones

Date: 11-18-16

CLIENT: ARCADIS

COC PAGE 1 of 1
COC ID# 2159032

Project #

SB
DI

H65
H65

AG1U WGEU AG0U R BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H BP3C BP1U SP5T AG2U

Ma (S) $\text{pH} < 2$ $\text{pH} > 9$ $\text{pH} > 12$

$\text{pH} < 2$ $\text{pH} > 9$ $\text{pH} > 12$

[illegible]

DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG9U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JG9U	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
RP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

APPENDIX D

Evaluation of Chlorinated Ethenes in Groundwater



APPENDIX D

EVALUATION OF CHLORINATED ETHENES IN GROUNDWATER

In November 2016, Arcadis completed a vertical aquifer profiling (VAP) investigation along the eastern and southern boundaries of the former GM Delco Plant 5 property (Site) located in Kokomo, Indiana. The VAP investigation locations are presented on Figure 1. During the investigation groundwater samples were collected every 4 feet through the first saturated unit, S1 for analysis of volatile organic compounds (VOCs), and hydraulic conductivity was measured continuously using a Geoprobe® hydraulic profiling tool (HPT) to the base of the S1 Unit. A cross section was prepared using the hydraulic conductivities obtained through the HPT and is presented as Figure 2.

This data was used to evaluate the distribution of chlorinated VOCs along the property boundaries. This data, in combination with data from previous investigations, were used to update the current understanding of groundwater impacts and the extent of degradation of VOCs.

Evaluation of VAP Chlorinated Ethene Profiles

At each VAP sampling location and interval, concentrations of the target chlorinated ethenes (tetrachloroethene [PCE], trichloroethene [TCE], 1,1-dichloroethene [1,1-DCE], cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride [VC]), measured in micrograms per liter (µg/L; Table 1), were converted to micromoles per liter (µmol/L). These concentrations were summed to obtain the total molar concentration of the targeted chlorinated ethenes, and the molar proportion of each constituent was determined as its molar concentration divided by the total molar concentration. Where concentrations were not detected above laboratory reporting limits, a concentration of zero was assumed for the calculation of total molar concentrations and molar proportion. Molar proportions and total molar concentrations at VAP sampling locations are presented on Figures 3a through 3c. The use of molar concentrations, as opposed to mass-per-volume concentrations, provides an 'apples to apples' comparison of the amount of each individual chlorinated ethene. Examining molar profiles across depth intervals and between sampling locations provides insight into plume heterogeneity, transport pathways, and relative extent of biodegradation.

Although molar proportions of chlorinated ethenes indicate substantial lateral and vertical variability in plume composition along the eastern site boundary, the VAP transect can be divided into three areas with distinct profiles: northern, middle, and southern-southwestern. Observations from each of these areas are discussed in detail in the following subsections.

Northern VAP Transect Area

The northern VAP transect area is defined by six borings: SB-1601, SB-1617, SB-1602, SB-1618, SB-1603, and SB-1619 (Figure 1). At these locations, across each of the depth intervals sampled, chlorinated ethene profiles are dominated by reductive dechlorination degradation daughter products (Figure 3a). Specifically, cis-1,2-DCE makes up between 63 and 100 percent of the total molar concentration of chlorinated ethenes in this portion of the plume. The proportion of VC is highest at location SB-1602, and on average is between 2 and 31 percent of the total molar concentration of chlorinated ethenes across the combined 14 depth intervals at the remaining borings in this area.

The lowest total molar concentrations in the northern transect area occur at the northernmost boring (SB-1601), where chlorinated ethene concentrations are below water quality screening levels.

Maximum concentrations of chlorinated ethenes tended to occur near the top of the S1 Unit at borings SB-1602, SB-1603, and SB-1618, but the relative depth of this unit and the constituent profile varies between adjacent sampling locations. Specifically:

- Maximum total molar concentrations in the northern transect area were measured at borings SB-1602 (up to approximately 13 $\mu\text{mol/L}$) and SB-1603 (up to approximately 18 $\mu\text{mol/L}$).
- Maximum concentrations at SB-1602 occur at shallower depths (16 to 25 feet below ground surface [bgs]) than those at SB-1603 (24 to 30 feet bgs). This is consistent with estimated hydraulic conductivity results which indicate that the top of the S1 Unit is shallower at boring SB-1602 (approximately 12 to 13 feet bgs) than at SB-1603 (approximately 24 feet bgs) and SB-1618 (approximately 26 feet bgs) as shown on Figure 2.
- Although boring SB-1618 is located approximately halfway between SB-1602 and SB-1603. The maximum total molar concentration at this location (approximately 7 $\mu\text{mol/L}$ at 27 to 30 feet bgs) was substantially lower than that measured at the borings on either side, and TCE makes up a larger proportion of the total molar concentration. The estimated hydraulic conductivity identified in SB-1618 is lower than SB-1602 and SB-1603, as shown on Figure 2.

Middle VAP Transect Area

The middle VAP transect area is defined by seven borings: SB-1604, SB-1616, SB-1605, SB-1615, SB-1606, SB-1607, and SB-1608 (Figure 1). In contrast with the northern transect area, in the middle transect area, TCE makes up 50 percent or more of the total molar concentration of chlorinated ethenes in 34 of the 54 depth intervals sampled (Figure 3b). In general, total molar concentrations of chlorinated ethenes are elevated in the middle transect area relative to the northern and southern transect areas, with maximum total molar concentrations between approximately 22 and 56 $\mu\text{mol/L}$ at locations SB-1616, SB-1605, SB-1615, and SB-1606. The maximum concentrations of chlorinated ethenes tended to occur near the top of the S1 Unit. The hydraulic conductivity is greatest in the middle transect area, with SB-1604, SB-1606, and SB-1607 showing hydraulic conductivity above the instrument's maximum limit of 150 ft/day for a majority of the soil borings.

Southern-Southwestern VAP Transect Area

The southern-southwestern VAP transect area is defined by six borings: SB-1609, SB-1620, SB-1610, SB-1611, SB-1612, and SB-1613 (Figure 1). In general, this area is characterized by greater variability in both the molar proportions and the molar ratios of chlorinated ethenes than is evidenced in the northern and middle transect areas (Figure 3c).

At borings SB-1609, SB-1612, and SB-1620 total molar concentrations of chlorinated ethenes are low (between approximately 0.01 and 0.7 $\mu\text{mol/L}$), and degradation daughter products generally dominate the molar composition, with up to 100% cis-1,2-DCE and up to 91% VC. At SB-1613, low molar concentrations are also present (maximum of approximately 0.2 $\mu\text{mol/L}$); however, this location has a higher molar proportion of TCE (between 66 and 80 percent).

Borings SB-1610 and SB-1611 are characterized by a relatively high total molar concentrations of chlorinated ethenes, up to approximately 15.8 and 34.5 $\mu\text{mol/L}$, respectively, and relatively higher proportions of TCE (greater than 50 percent at six of the nine intervals sampled between these two borings).

Evaluation of Monitoring Well Chlorinated Ethene Profiles

Total molar concentrations and molar proportions of chlorinated ethenes were also calculated based on historical data at key on-site and off-site monitoring wells, including: MW-0102-S1U, MW-0504-S1, MW-0505-S1, MW-0517-S1, MW-0604-S1, MW-0606-S1, MW-0608-S1, MW-0609-S1, MW-0612-S1, MW-0619-S1, MW-0621-S1, MW-0704-S1, and MW-0705-S1 (Figure 4). Monitoring well MW-0509-S1 is located at the northern end of the VAP transect. However, molar concentrations were not examined at this monitoring well, as chlorinated ethene concentrations have historically remained near or below laboratory reporting limits. Monitoring wells MW-0505-S1 and MW-0509-S1 are screened in the lower portion of the S1 Unit. As detailed above, the majority of impacts are observed in the upper portion of the S1 Unit.

Monitoring well and VAP sampling results suggest that TCE in groundwater in the northeastern portion of the Site may have a different source, and has undergone biodegradation to a greater extent than in groundwater the middle of the Site. In the vicinity of monitoring well MW-0619-S1, it appears that the groundwater flow direction varies, bringing more or less degraded chlorinated ethenes to this monitoring point at different times. Monitoring well MW-0619-S1 is located on site and near the border that was selected to distinguish between the northern and middle areas of the VAP transect. As shown on Figure 4, the chlorinated ethene profile and total molar concentration at this location vary over time; the composition of chlorinated ethenes is dominated by TCE during some sampling events and by cis-1,2-DCE during others. In general, during events when TCE is the dominant constituent, the total molar concentration of chlorinated ethenes is elevated, relative to events when there is a higher proportion of cis-1,2-DCE. Monitoring well MW-0621-S1 is located approximately 117 feet south-southeast of monitoring well MW-0619-S1. At this location, the chlorinated ethene profile is consistently dominated by TCE (89 to 98 percent), and the total molar concentration is elevated relative to that at MW-0619-S1.

A comparison of monitoring well results with adjacent VAP sampling points suggests that there is variability in plume composition at the site boundary in the middle area of the VAP transect at relatively small spatial scales. Specifically:

- While the chlorinated ethene profile at MW-0102-S1U (screened in the upper portion of the S1 Unit, from 21 to 26 ft bgs) is relatively consistent over time and dominated by TCE, the profile at the corresponding depth interval at adjacent VAP boring SB-1604 is primarily composed of cis-1,2-DCE. While the total molar concentration of chlorinated ethenes has been between approximately 29 and 53 $\mu\text{mol/L}$ over the past 13 monitoring events at monitoring well MW-0102-S1U, the total molar concentration at the same depth interval at SB-1604 is approximately an order of magnitude lower (3.6 $\mu\text{mol/L}$).
- While the chlorinated ethene profile at monitoring well MW-0505-S1 (screened in the lower portion of the S1 Unit, from 31 to 41 ft bgs) has historically been characterized by cis-1,2-DCE, TCE and cis-1,2-DCE are the dominant constituents at the corresponding depth intervals at adjacent VAP boring SB-1607. Total molar concentrations are similar between these two sampling points (0.1 to 0.4 $\mu\text{mol/L}$).

Monitoring wells MW-0517-S1, MW-0604-S1, and MW-0504-S1 are located in the southern area of the Site. At each of these locations, and particularly at monitoring well MW-0517-S1, there is variability in the molar proportion of cis-1,2-DCE and a small but variable contribution of VC to the chlorinated ethene profile over time. However, over the full monitoring history, at each of these monitoring well locations, TCE is the predominant chlorinated ethene present in groundwater.

Monitoring wells MW-0704-S1 and MW-0705-S1 are each located approximately 60 feet east of the property boundary, and monitoring well MW-0704-S1 is located approximately 235 feet north of MW-0705-

S1. Chlorinated ethene profiles are similar at these two locations, with between approximately 56 and 75 percent TCE and 20 to 40 percent cis-1,2-DCE, but the total molar concentration is lower at monitoring well MW-0705-S1 (1.2 to 2.2 $\mu\text{mol/L}$) than at monitoring well MW-0704-S1 (15 to 33 $\mu\text{mol/L}$). These results, taken in the context of VAP profile sampling results, confirm that the flux of chlorinated ethenes from the property boundary to the east is relatively low in the area of VAP borings SB-1609 and SB-1620.

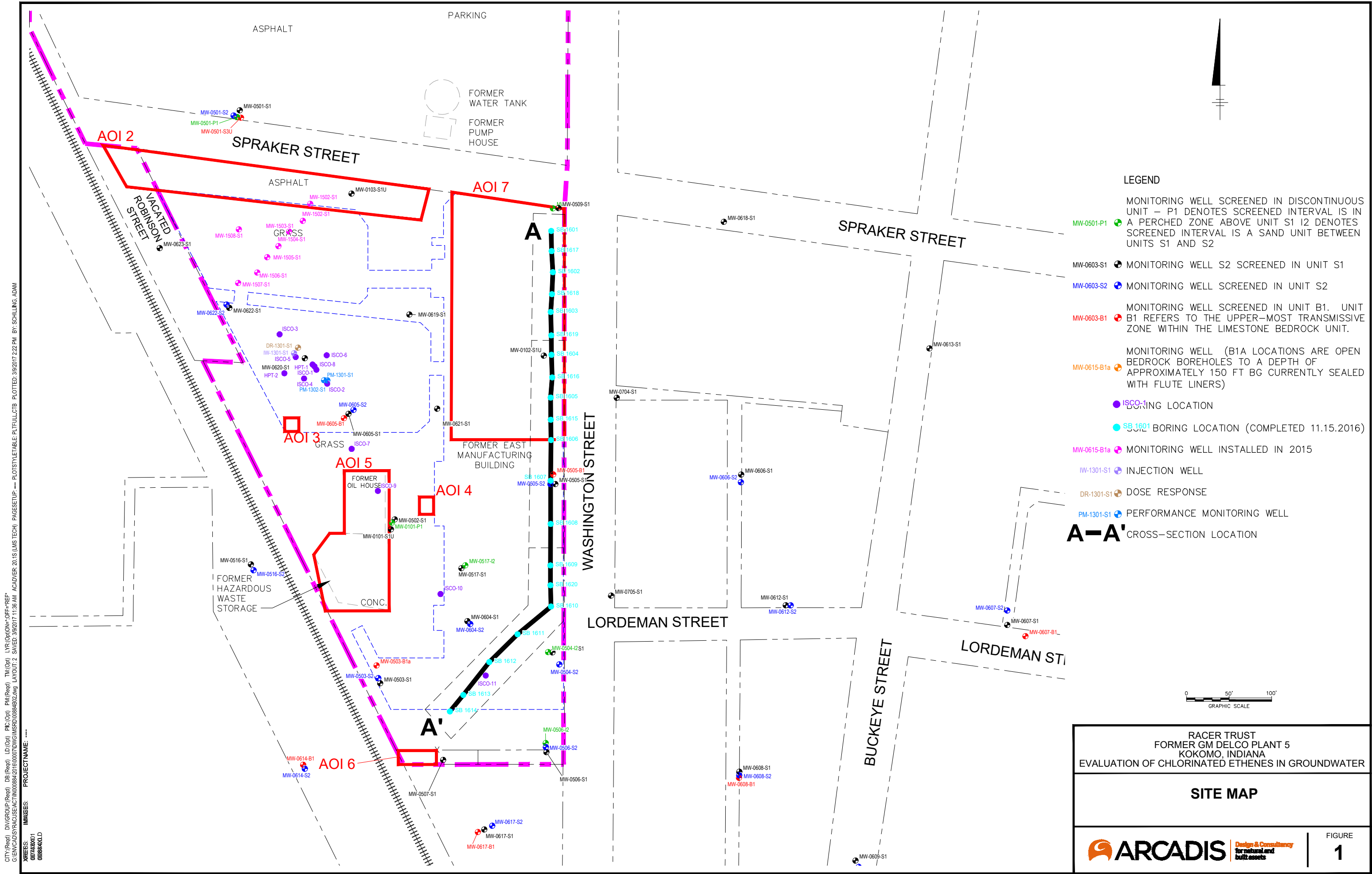
Monitoring wells MW-0606-S1 and MW-0612-S1 are located southeast of monitoring well MW-0704-S1. The total molar concentration of chlorinated ethenes generally increases with distance downgradient between these sampling points, with an increasing proportion of TCE and a decreasing proportion of cis-1,2-DCE. This pattern is opposite that expected for increasing attenuation from a single source area with distance downgradient, and suggests a stronger source of less degraded chlorinated ethenes with distance toward the south. This is generally consistent with VAP sampling results. At monitoring well MW-0704-S1, elevated proportions of cis-1,2-DCE relative to laterally adjacent VAP borings and elevated TCE concentrations relative to upgradient VAP borings suggest that chlorinated ethenes from at least two separate on-site source areas mix at this off-site monitoring location. The increase in TCE with distance downgradient toward monitoring wells MW-0606-S1 and MW-0612-S1 suggest an increased contribution of chlorinated ethenes that have undergone less biodegradation with distance to the south.

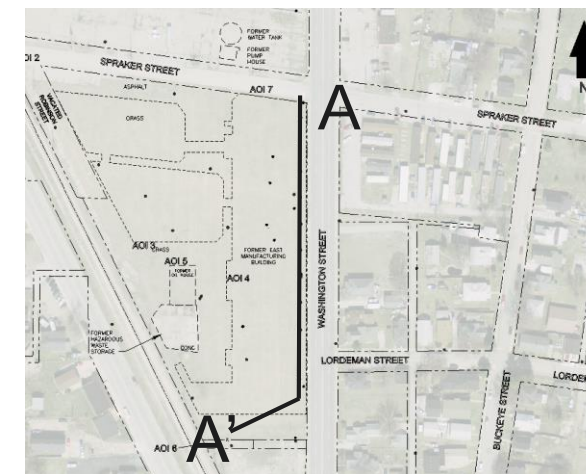
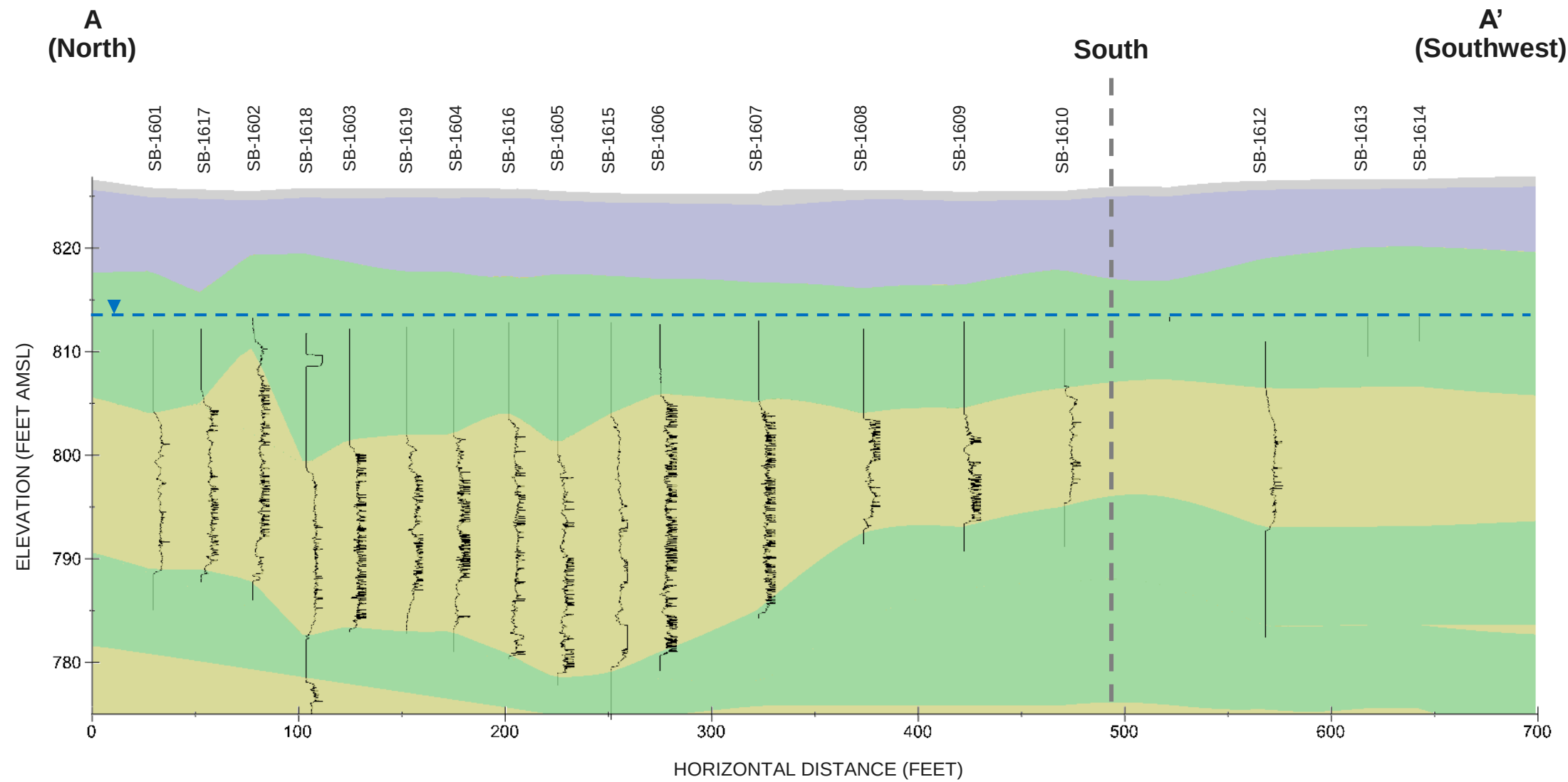
Results from the furthest downgradient monitoring wells with chlorinated ethene concentrations suggest that there is robust biodegradation of chlorinated ethenes at the plume fringe. With increased distance downgradient from monitoring wells MW-0612-S1 and MW-0504-S1, there is a substantial change in chlorinated ethene profiles, with decreased total molar concentrations and increased proportions of biodegradation daughter products at monitoring wells MW-0608-S1 and MW-0609-S1.

Summary

Based on the evaluation of chlorinated ethenes in groundwater at the VAP Investigation locations and coupled with the monitoring well data, the following conclusions can be made:

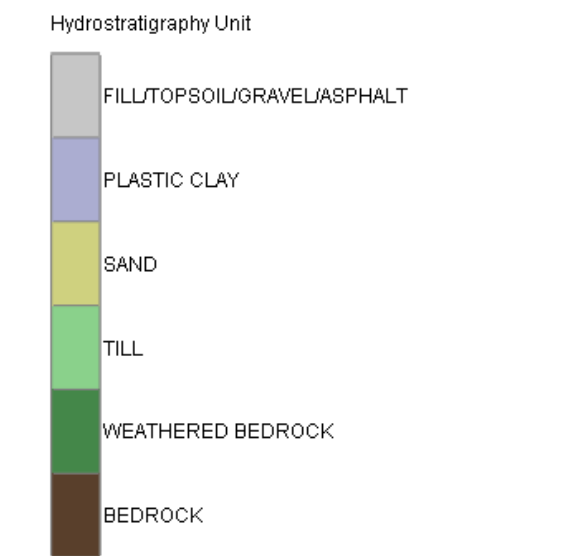
- The VAP transect along the eastern property boundary can be divided into three distinct areas (northern, middle, and southern-southwestern) based on chlorinated ethene constituent profiles.
- Maximum chlorinated ethene concentrations were generally measured at VAP borings in the middle transect area, where the predominance of TCE indicates little biodegradation via reductive dechlorination.
- In the northern transect area, chlorinated ethene profiles are dominated by reductive dechlorination daughter products (cis-1,2-DCE and VC), indicating that biodegradation is an active natural attenuation mechanism in this area of the Site.
- In the southern-southwestern transect area, in general, chlorinated ethene concentrations are relatively low and concentrations of cis-1,2-DCE and VC indicate that biodegradation via reductive dechlorination is an active natural attenuation process.





--- Piezometric surface from HPT

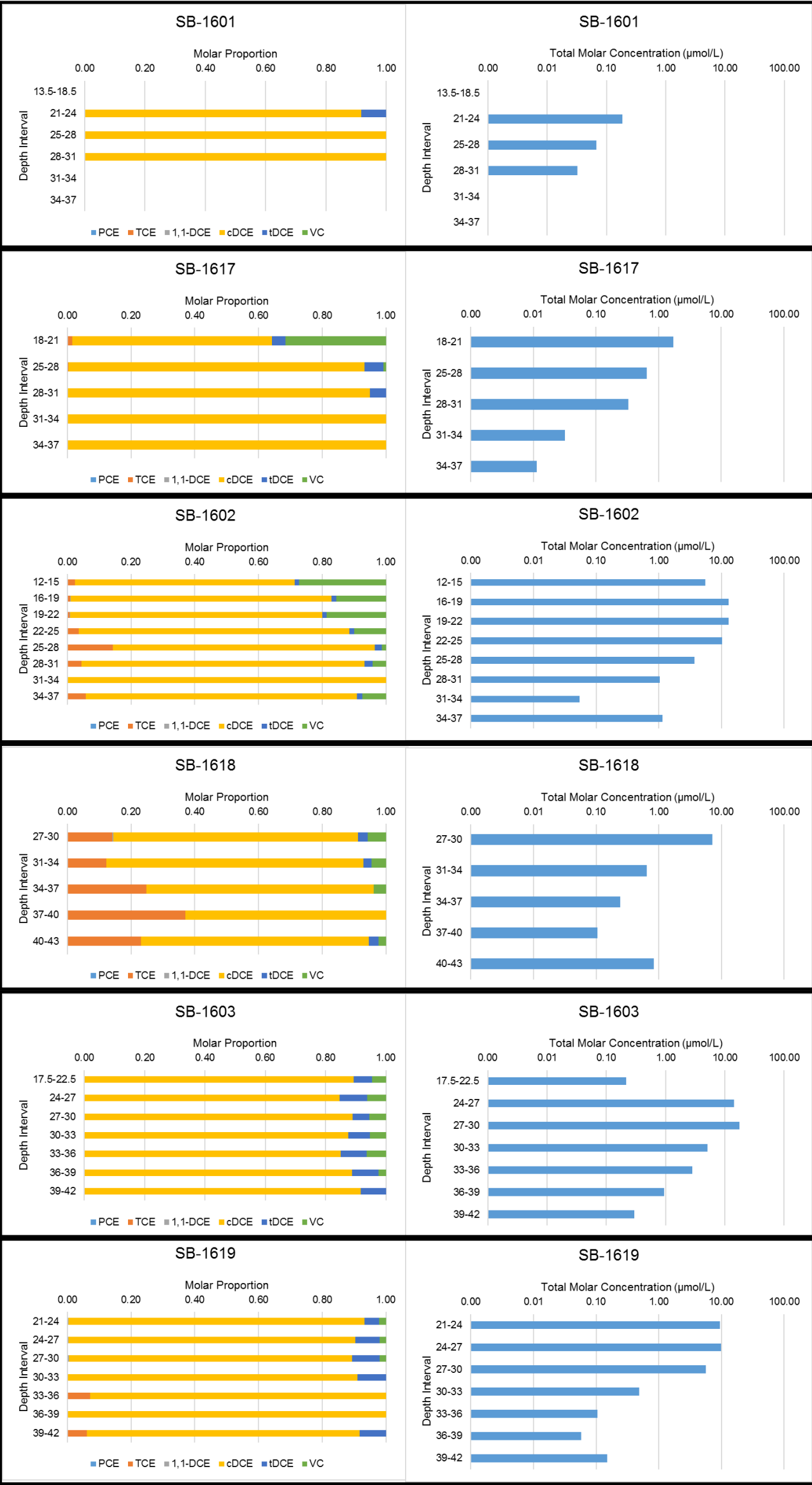
Estimated hydraulic conductivity (0.1 – 150 ft/day)



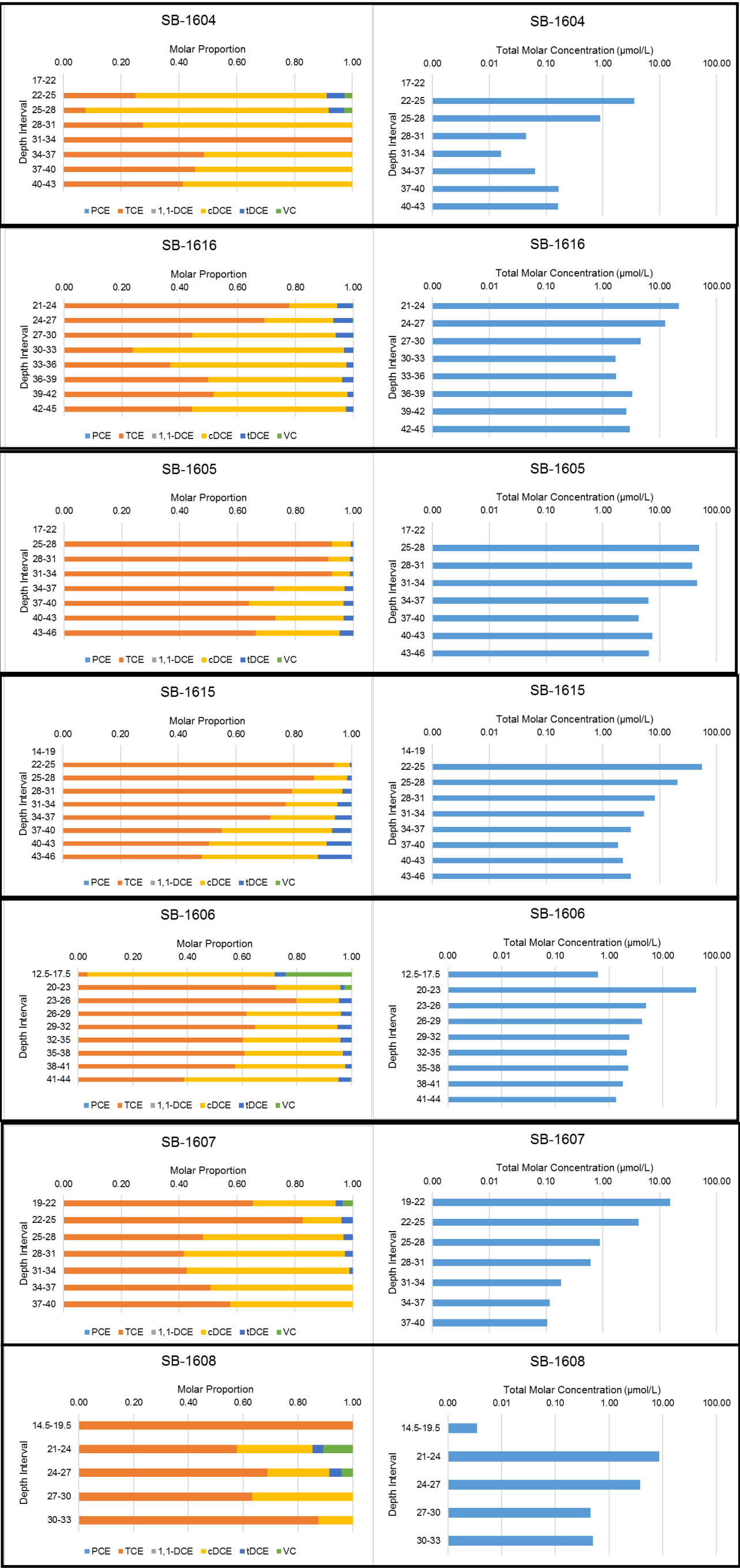
- Notes:
- 1) HPT = Hydraulic Profiling Tool
 - 2) ft/day = feet per day
 - 3) AMSL = above mean sea level

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EVALUATION OF CHLORINATED ETHENES IN
GROUNDWATER

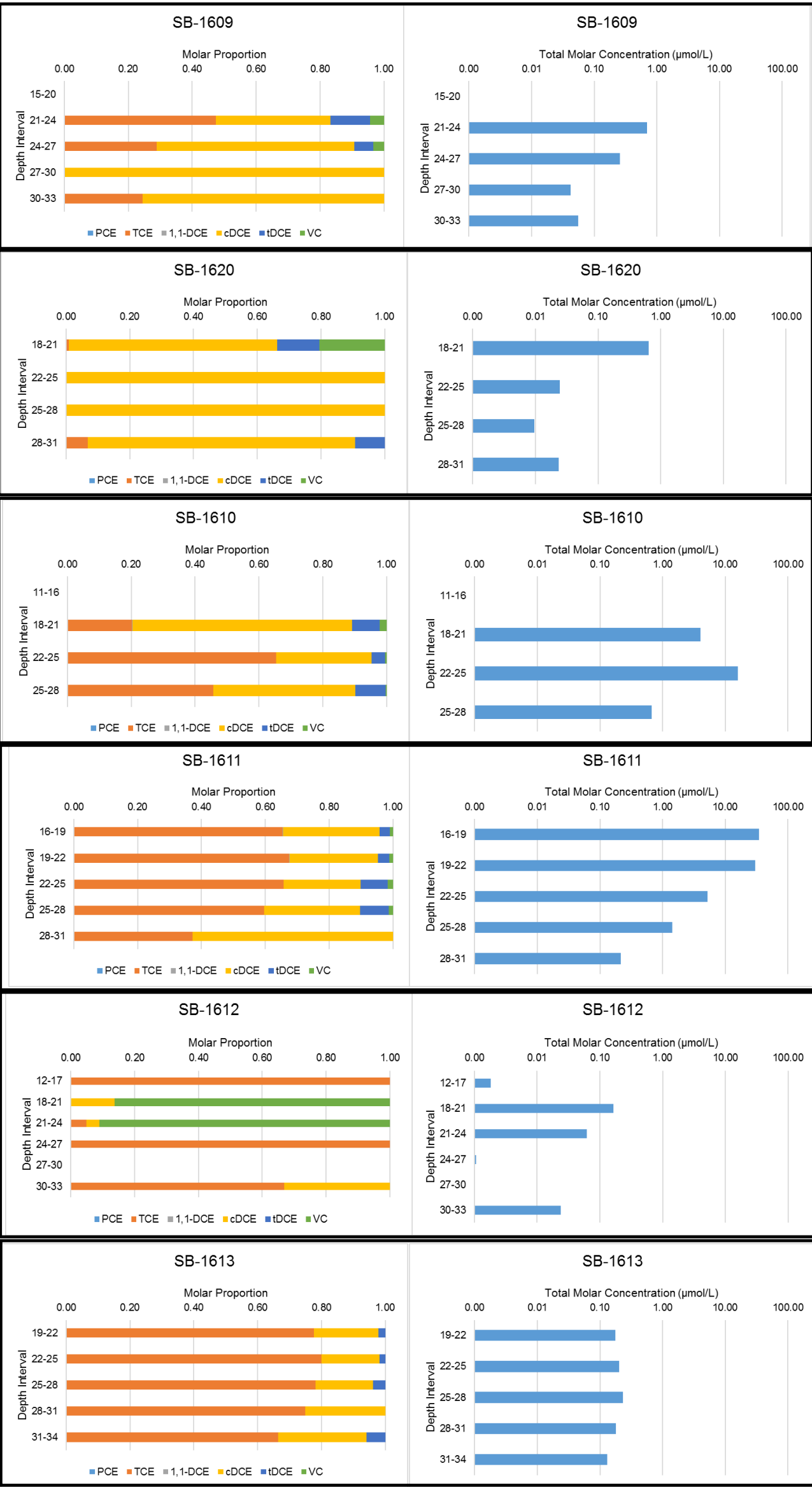
HPT RESULTS STRATIGRAPHIC
CROSS-SECTION



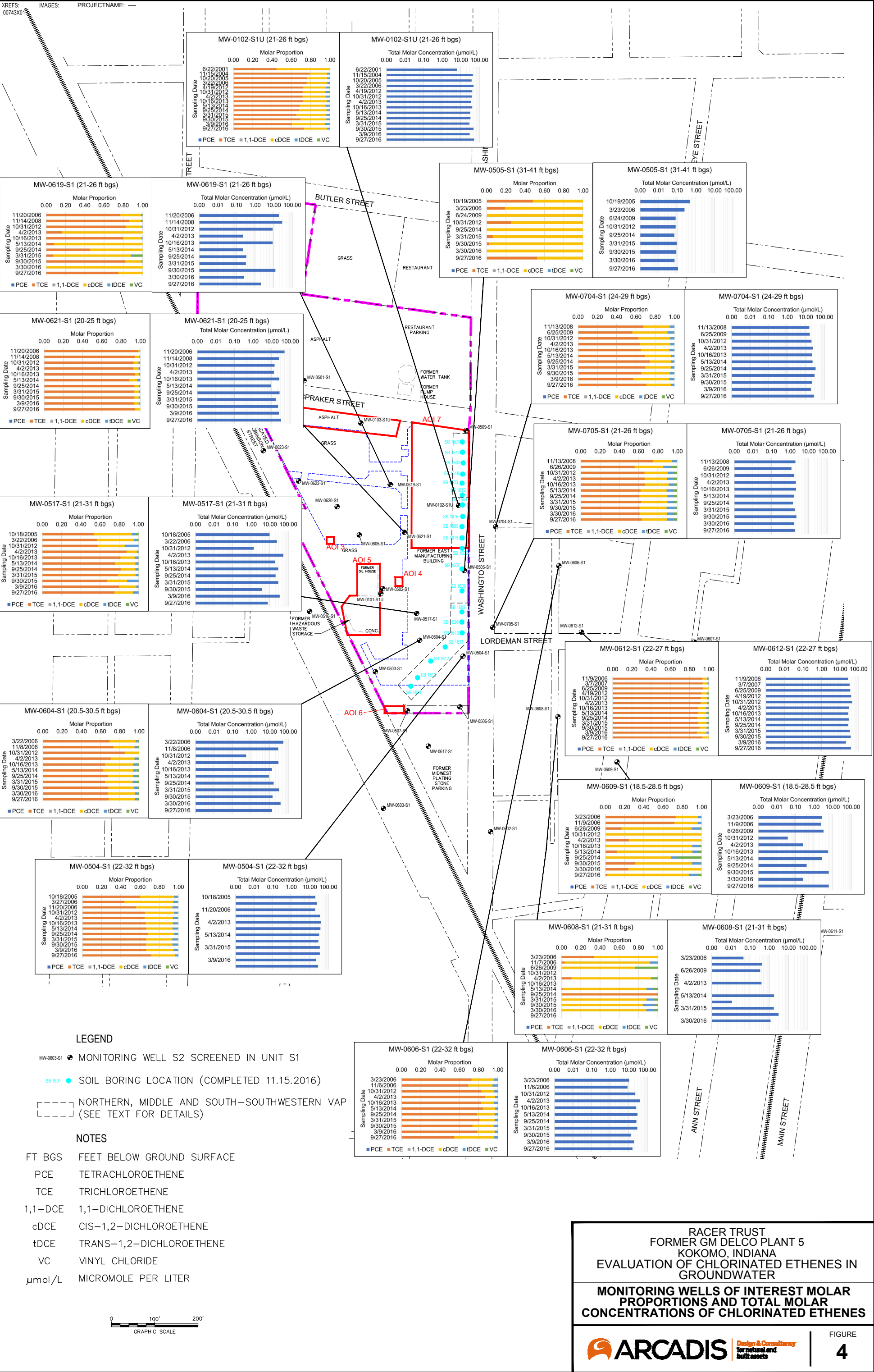
Notes:
Depth intervals presented in feet below ground surface
PCE = tetrachloroethene
TCE = trichloroethene
1,1-DCE = 1,1-dicholoroethene
cDCE = cis-1,2-dichloroethene
tDCE = trans-1,2-dichloroethene
VC = vinyl chloride
µmol/L = micromoles per liter



Notes:
Depth intervals presented in feet below ground surface
PCE = tetrachloroethene
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tDCE = trans-1,2-dichloroethene
VC = vinyl chloride
µmol/L = micromoles per liter



APPENDIX E

Mass Flux Evaluation



APPENDIX E

MASS FLUX EVALUATION

In November 2016, Arcadis completed a vertical aquifer profiling (VAP) investigation along the eastern and southern boundaries of the former GM Delco Plant 5 property (Site) located in Kokomo, Indiana. During the investigation groundwater samples were collected every 4 feet through the first saturated unit, S1 for analysis of volatile organic compounds (VOCs), and hydraulic conductivity was measured continuously using a Geoprobe® hydraulic profiling tool (HPT) to the base of the S1 Unit. This data was used to evaluate the distribution of chlorinated VOCs and calculate the relative mass flux in the S1 Unit.

MASS FLUX BACKGROUND

The distribution of contamination relative to the transport, slow advection, and storage zones is diagnostic of plume maturity and essential to understanding the level of effort and most appropriate strategy required to clean up an aquifer (Sale et al. 2013). Because diffusion is time-dependent, soils near release locations often exhibit significant mass in the slow advection and storage zones, whereas at the leading edge of the plume, the majority of the mass will be in the transport zones. This is particularly relevant for dense non-aqueous liquid (DNAPL) sources, for which solubility is low and interaction with the soil matrix can be significant.

The mass flux perspective puts groundwater concentration in the proper context – it distinguishes the mass that moves in transport zones from the mass stored within the slow advection and storage zones within an aquifer. The basic approach to measuring mass flux is outlined in The Use and Measurement of Mass Flux and Mass Discharge, a document published by the Interstate Technology and Regulatory Council in 2010 (ITRC 2010). Experience at sites where contaminant mass was mapped using a stratigraphic flux approach typically indicates that 80 to 90 percent of the mass discharge is focused in less than 20 percent of the aquifer volume (Suthersan et al. 2014; see also Guilbeault et al. 2005). The stratigraphic flux approach establishes targets for treatment that are focused on the mass that moves in the transport zones. Under appropriate circumstances, this approach can enable surgical application of remedies that exploit the transport pathways to accelerate the restoration process and reduce the treatment volume. It can also be combined with modeling to determine if mass in the storage zones requires treatment to achieve cleanup goals in the transport zones, which are used for water supply, or could result in off-site migration at concentrations above appropriate cleanup levels.

MASS FLUX CALCULATIONS

Mass flux measures plume strength at a given time and location. Mass flux (J) is given by the product of permeability (i.e., hydraulic conductivity [K]), horizontal gradient (i), and contaminant concentration in groundwater (C), such that:

$$J = K i C$$

Where,

- J = Mass Flux ($M/T/L^2$)
- K = Hydraulic Conductivity (L/t)
- i = Horizontal Hydraulic Gradient (L/L)
- C = Concentration in groundwater (M/L^3)

Mass flux is a rate measurement specific to a unit area (e.g., grams per day per square meter). Mass flux measurements can be integrated across a cross-sectional area to produce an estimate of total mass

discharge (M_d) in units of mass per time, which is equal to the product of mass flux and the cross-sectional area, as follows:

$$M_d = J A$$

Where,

M_d	=	Mass Discharge (M/t)
J	=	Mass Flux, spatially variable (M/t/L ²)
A	=	Total Area (L ²)

At most sites, horizontal hydraulic gradient (i) can vary, but typically to a lesser degree than hydraulic conductivity and concentration, which can vary over several orders of magnitude. Therefore, mass flux can be simplified to a relative measure of mass flux (J_r) by ignoring the hydraulic gradient and simply taking the product of the hydraulic conductivity and the concentration for a given point in the aquifer:

$$J_r = K C$$

Where,

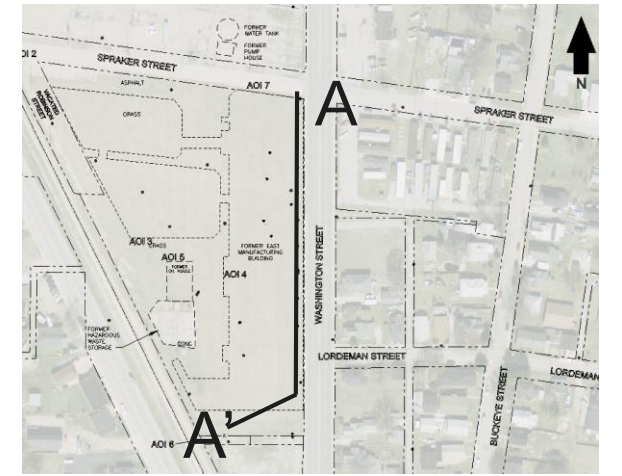
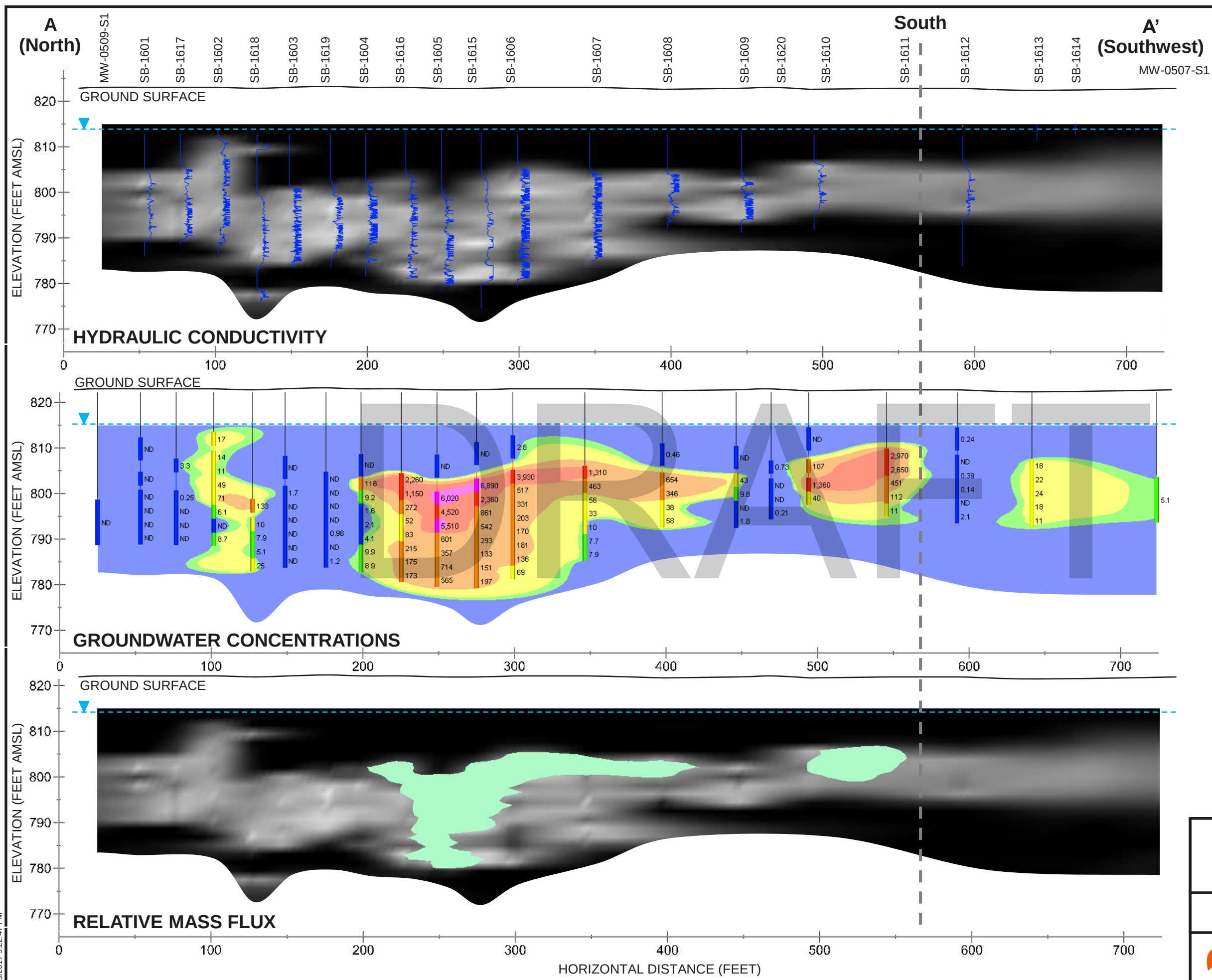
J_r	=	Relative Mass Flux (considered to be unitless)
K	=	Hydraulic Conductivity (L/t)
C	=	Concentration in groundwater (M/L ³)

MASS FLUX RESULTS

A key component of determining stratigraphic flux is the measurement of hydraulic conductivity and concentration at high frequency through the entire thickness of a target aquifer. Hydraulic conductivity was estimated at the centimeter scale using the Geoprobe® HPT. Once a permeability profile was established, concentration data were obtained through VAP groundwater sampling.

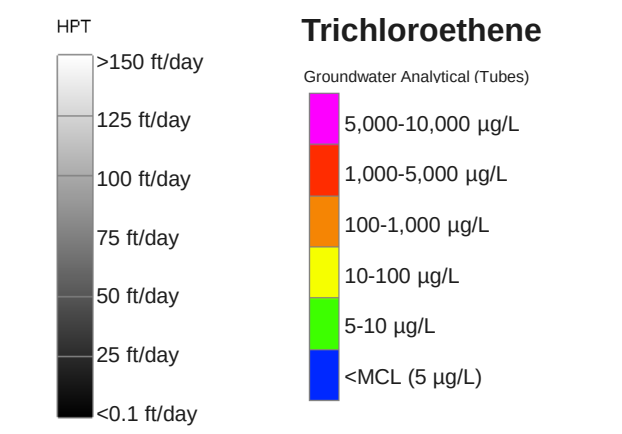
The high-frequency permeability and concentration data collected through the entire thickness of the S1 Unit along the eastern and southern boundaries of the Site were evaluated in a 3-D modeling program (Earth Volumetric Studio [EVS]; Ctech, Inc.). The estimated K values obtained with HPT were interpolated to provide a continuous relative conductivity profile that was used directly to interpret hydrostratigraphy. Once assembled in a 3-D model, the interpolated data fields for K and C were multiplied together to produce estimates of relative mass flux that are displayed on 2-D cross-sections. Figures 1a through 1c include the results for trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride. Each of these figures includes three panels: the top panel is the K field (same for Figures 1a through 1c), the middle panel is the C field for the respective compound, and the bottom panel is the relative mass flux for the respective compound. Figure 1d is a three-panel figure showing the relative mass flux for each compound on one figure for ease of identifying zones of mass flux along the transect. Based on this evaluation, 90 percent of the relative mass flux of TCE, cis-1,2-DCE, and vinyl chloride occurs in less than 50 percent of the cross-sectional area containing concentrations above MCLs.

Note that, instead of including units that would suggest that J_r is a precise measurement, Arcadis presents the estimates as unitless to emphasize that the results should be considered in more of a general sense. For example, there are constraints on the K estimates along transect A-A' because there are areas where K exceeds the limit of 150 ft/day that can be measured by the HPT. This suggests that J_r is focused in even less of the cross-sectional area than shown on Figures 1a through 1d. Therefore, the results should be considered a conservative estimate.



— Piezometric surface from HPT

Estimated hydraulic conductivity (<0.1 – >150 ft/day)



Relative Flux (unitless)

~90% Flux occurs within
~20% of area >MCL

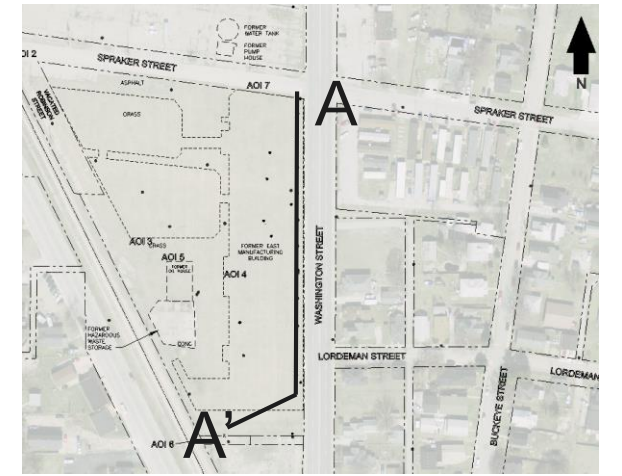
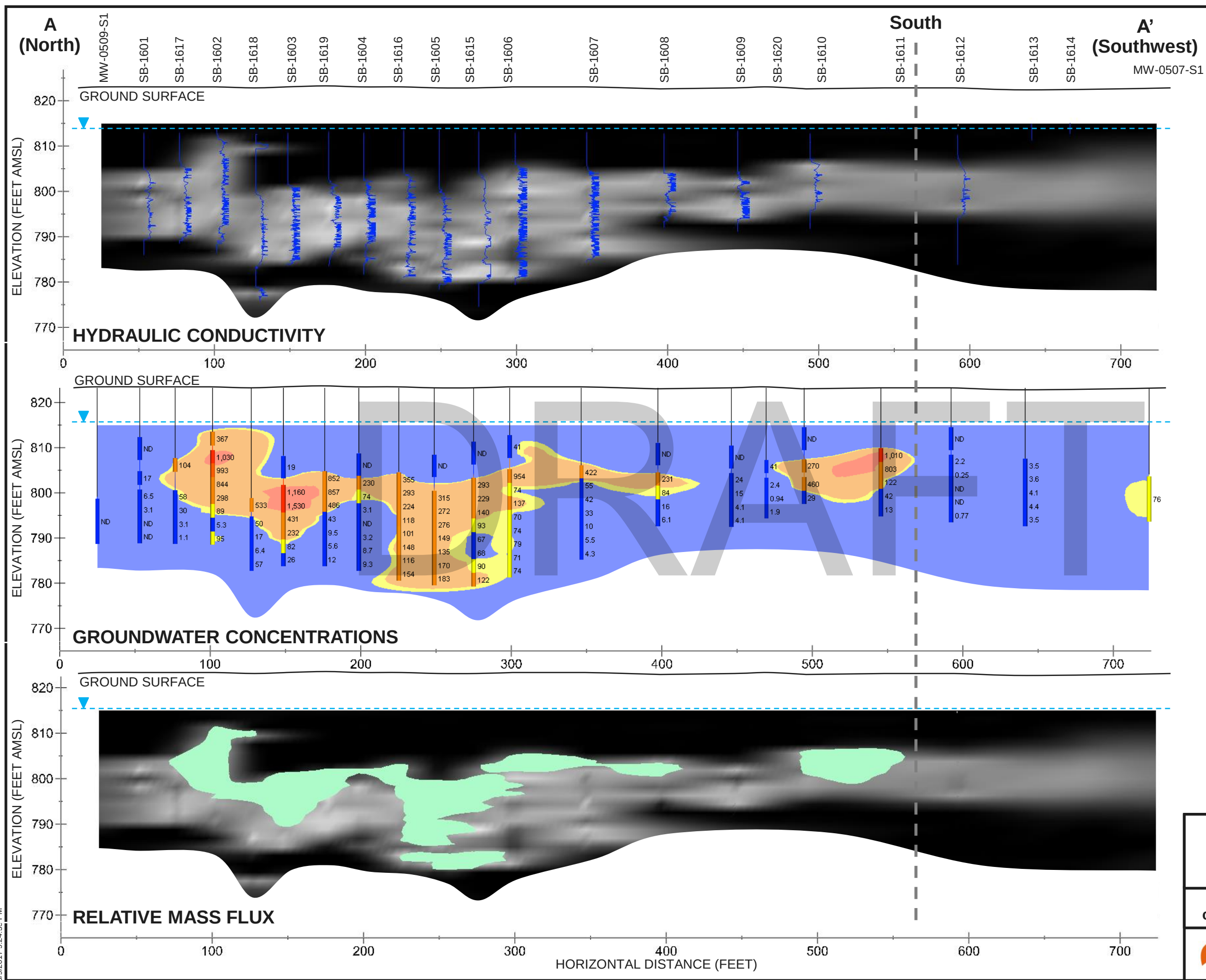
- Notes:
- 1) HPT = Hydraulic Profiling Tool
 - 2) TCE = Trichloroethene
 - 3) MCL = Maximum Contaminant Level
 - 4) ND = Not Detected
 - 5) ft/day = feet per day
 - 6) AMSL = above mean sea level
 - 7) µg/L = micrograms per liter

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MASS FLUX EVALUATION

**MASS FLUX CROSS SECTION
TCE FLUX ALONG TRANSECT A-A'**

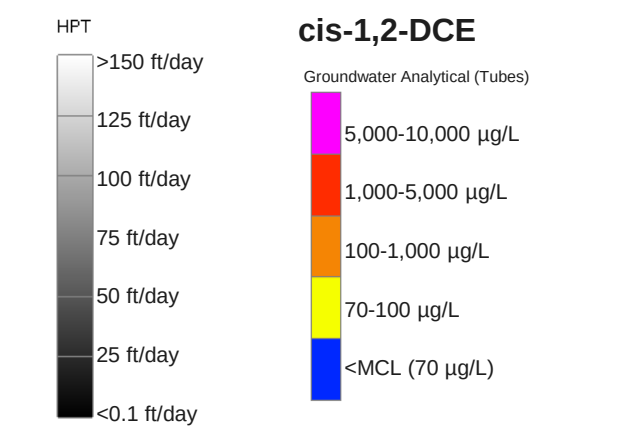
ARCADIS Design & Consultancy
for natural and built assets

FIGURE
1a



▲ Piezometric surface from HPT

Estimated hydraulic conductivity
(<0.1 – >150 ft/day)



Relative Flux (unitless)

~90% Flux occurs within
~50% of area >MCL

- Notes:
- 1) HPT = Hydraulic Profiling Tool
 - 2) Cis-1,2-DCE = cis-1,2-Dichloroethene
 - 3) MCL = Maximum Contaminant Level
 - 4) ND = Not Detected
 - 5) ft/day = feet per day
 - 6) AMSL = above mean sea level
 - 7) µg/L = micrograms per liter

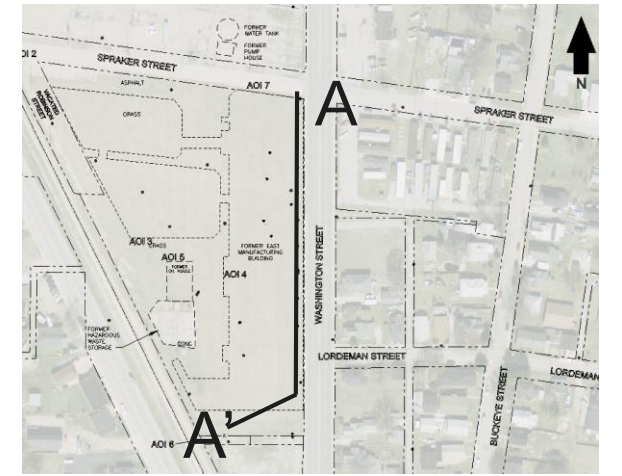
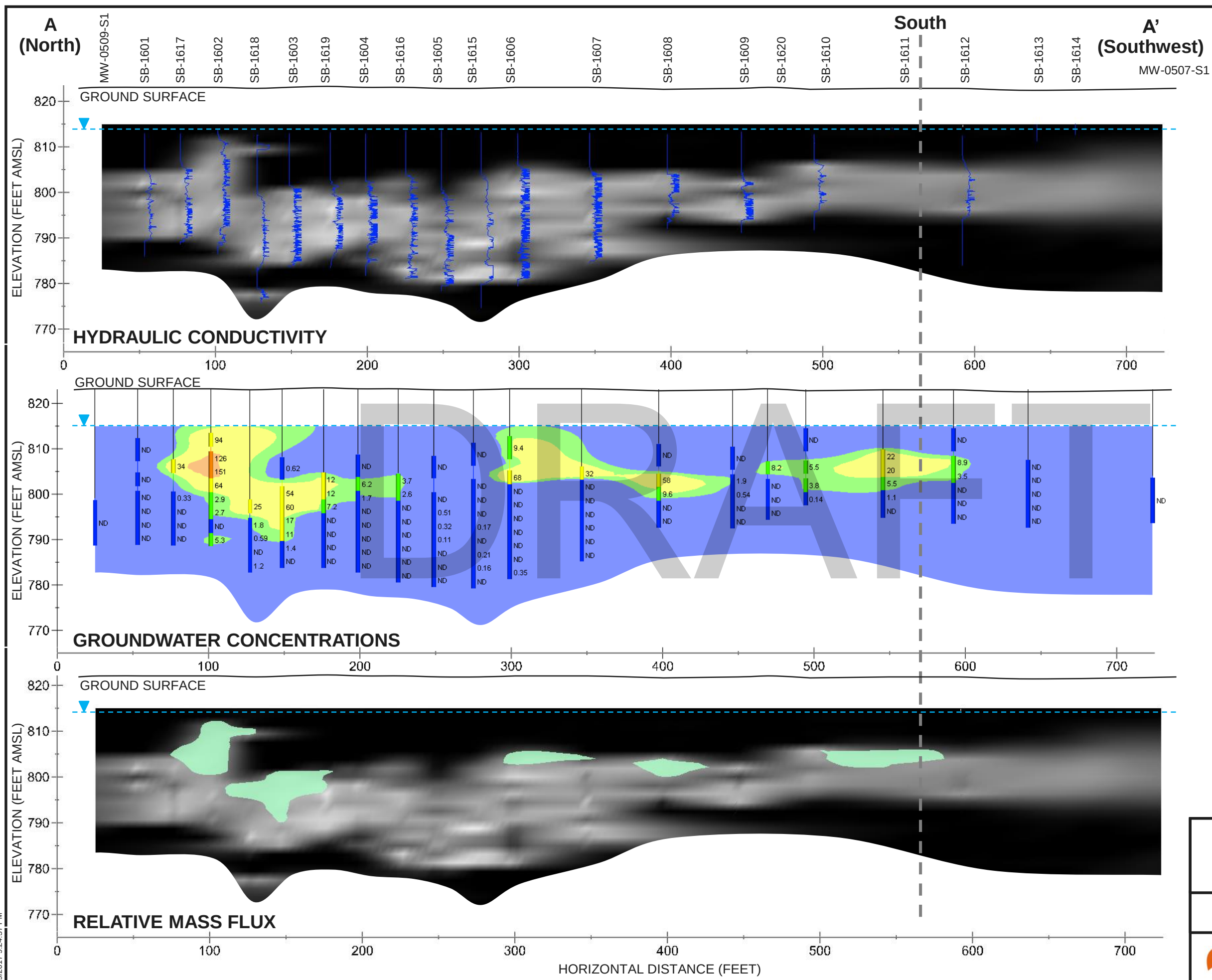
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MASS FLUX EVALUATION

MASS FLUX CROSS SECTION
cis-1,2-DCE FLUX ALONG TRANSECT A-A'



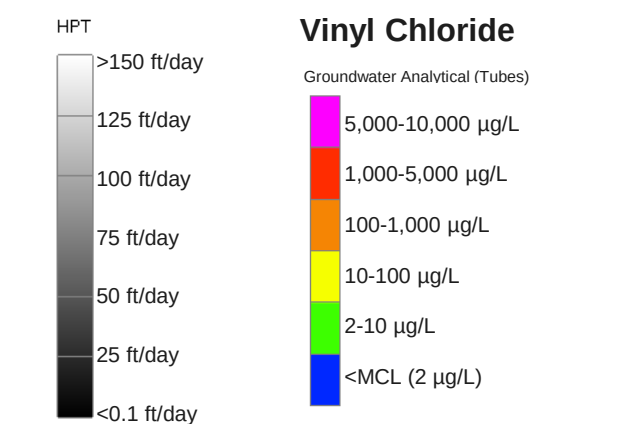
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FIGURE
1b



— Piezometric surface from HPT

Estimated hydraulic conductivity (<0.1 – >150 ft/day)



Relative Flux (unitless)

90% Flux occurs within 30% of area >MCL

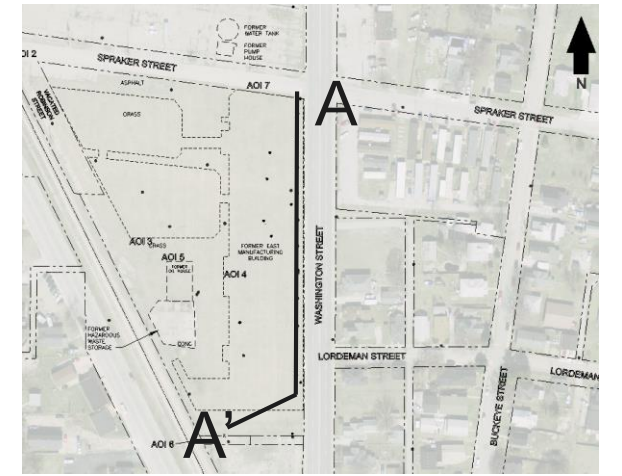
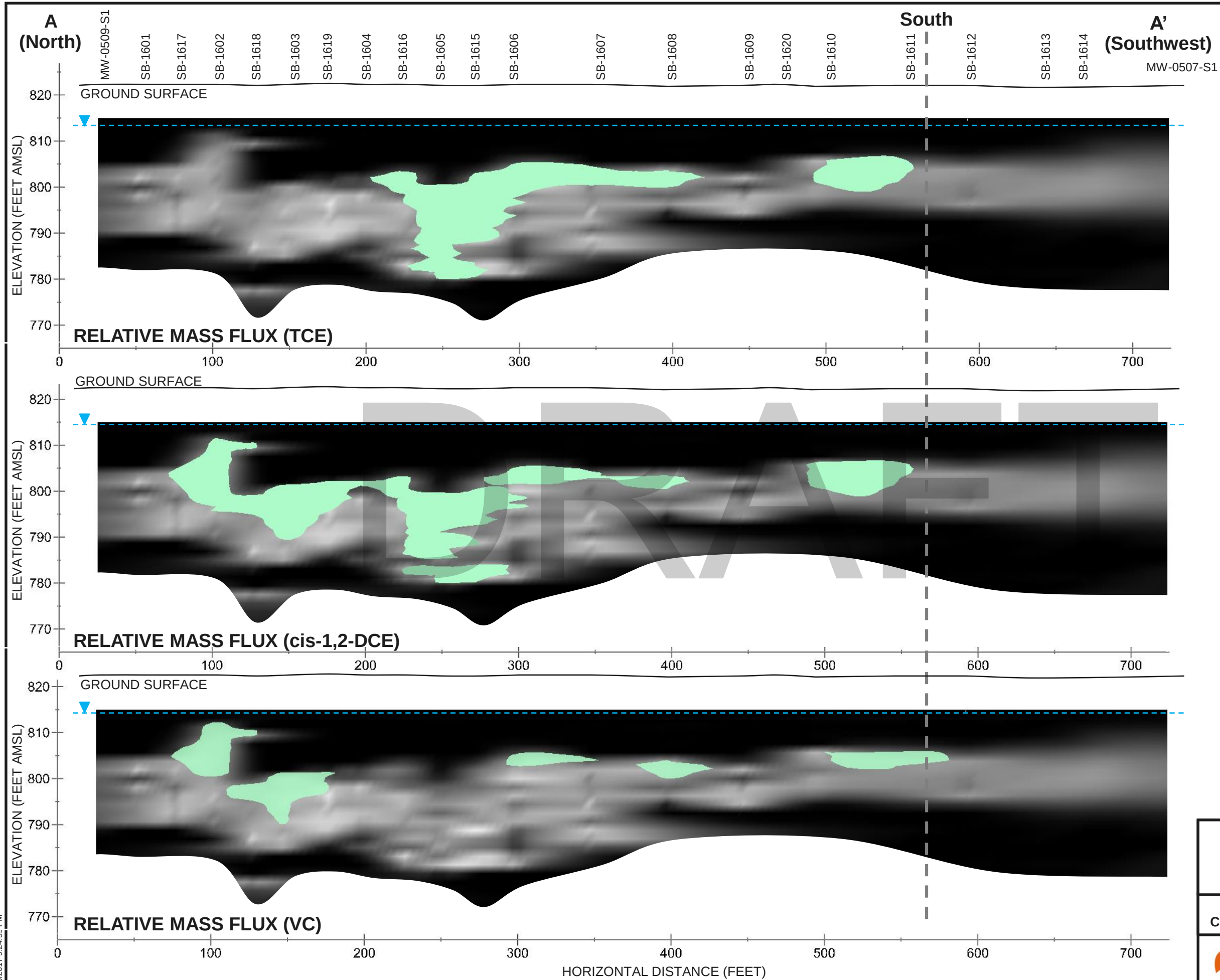
- Notes:
- 1) HPT = Hydraulic Profiling Tool
 - 2) VC = Vinyl Chloride
 - 3) MCL = Maximum Contaminant Level
 - 4) ND = Not Detected
 - 5) ft/day = feet per day
 - 6) AMSL = above mean sea level
 - 7) µg/L = micrograms per liter

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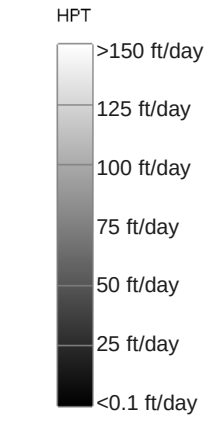
MASS FLUX CROSS SECTION
VC FLUX ALONG TRANSECT A-A'

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FIGURE
1c



--- Piezometric surface from HPT



Relative Flux (unitless)
90% Flux within area >MCL

- Notes:
- 1) HPT = Hydraulic Profiling Tool
 - 2) TCE = Trichloroethene
 - 3) cis-1,2-DCE = 1,2-Dichloroethene
 - 4) VC = Vinyl Chloride
 - 5) ft/day = feet per day
 - 6) AMSL = above mean sea level

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MASS FLUX EVALUATION

MASS FLUX CROSS SECTION
COMPARISON OF FLUX ALONG TRANSECT A-A'

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FIGURE
1d

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A decorative graphic consisting of three thin orange lines. One line is horizontal, extending from the left edge of the page towards the right. Two other lines are diagonal, starting from the bottom left and extending towards the top right, intersecting the horizontal line.