

SUBJECT

Corrective Measures Implementation Project
Progress Update

TO

Andrew Kleinberg, EPA Region 5
Jennifer Stanhope, EPA Region 5

DATE

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OUR REF

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COPIES TO

Robert Hare, RACER Trust

NAME

Sarah Fisher, CPM, Arcadis

sarah.fisher@arcadis.com

T. +1 317 236 2813

M. +1 317 691 4011

Arcadis U.S., Inc. (Arcadis) has prepared this Resource Conservation and Recovery Act (RCRA) Corrective Measures Implementation (CMI) Project Update on behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust for the former GM Delco Plant 5 facility located at 1723 North Washington Street, Kokomo, Indiana (the Site; **Figure 1**).

The United States Environmental Protection Agency (USEPA) identified their proposed corrective measures for the Site in the Statement of Basis as: In-Situ Solidification and Stabilization (ISS) with Monitored Natural Attenuation (MNA) for Groundwater and Soil; Institutional Controls; and Long-Term Care/Stewardship (USEPA 2021a). After a public comment period, the USEPA issued a Final Decision and Response to Comments which documented the selected final remedy on June 16, 2021. The final corrective measure selected for the site currently being implemented includes a 2-step process consisting of Step 1: 1% Zero-valent-iron (ZVI) mixing with a 28-day reaction period and Step 2: 5% Portland cement (PC) mixing. Step 1 would stabilize the soil with chemical reactions that reduce concentrations of TCE within the treatment footprint; thereby, reducing leachability into the environment and migration of groundwater above drinking water standards at the property line; however, this would destroy the existing soil structure or material strength. Step 2 would therefore be implemented to restore the geotechnical competency of the material for future site uses by creating a solid monolith that also addresses leachability.

RACER Trust prepared and submitted a CMI Work Plan to the USEPA in 2022 (Arcadis 2022). The CMI Work Plan provided a detailed design and implementation procedure for the final corrective measure of ISS. RACER Trust has provided routine communications to the USEPA during the implementation of the ISS and this memo is intended to provide a summary of the remedial actions and data received as of November 4, 2022.

Completed Remedial Actions - To Date

To date, RACER has completed the following activities associated with the Corrective Measures:

- Removal of overburden and stockpiling for reuse. Overburden stockpile is staged within a material staging area and secured with tarps to prevent off-gassing and erosion.
- Step 1 - ZVI mixing has been completed in 85% of the total cells as defined by Geosolutions Inc. (GSI) (**Figure 2**). The remaining cells for corrective measures treatment reside in the interior of the northern most ISS Mixing footprint and are the deepest cells to mix (22 feet of mixing depth), with likely the highest concentrations of TCE remaining.
- Step 2 – PC mixing has been completed in approximately 65% of the total cells defined by GSI (**Figure 2**). PC mixing was performed after waiting the 28-day treatment window associated with Step 1.

During execution of the CMI, analytical results associated with ambient air at the fence line indicated trichloroethylene (TCE) concentrations were observed at a level that required additional actions. Based on the analytical concentrations observed at the fence line during execution of Step 1 – ZVI mixing, RACER implemented a stop work on September 20, 2022 until TCE concentrations at the fence line were reduced.

During this stop work, GSI implemented mitigation measures including wetting of soils, use of short-term odor suppressant foam, and placement of overburden (with low-level concentrations of TCE, as detailed in **Table 1**) over the treatment footprint to limit vapors. With all these mitigation measures in place, TCE concentrations at the fence line were still observed; therefore, RACER requested and received approval from the USEPA to begin implementation of Step 2 - PC mixing (following the 28-day treatment window) to reduce the open treatment areas. Step 2 – PC mixing began on October 4, 2022.

Soil Stockpile Sampling

Prior to the beginning of Step 1 – ZVI mixing, overburden was removed from all proposed mixing cells to a depth of approximately 10 feet. The overburden was removed and staged in accordance with the Excavation and Materials Handling Plan, which was included as an appendix to the CMI Workplan (Arcadis 2022). The soils which were removed from the ISS treatment area were staged in the Material Stockpile Area (MSA) between July 25, 2022 and August 18, 2022. The location of the MSA is shown on **Figure 3**. The MSA was constructed to be no greater than 10 feet in height and was covered by tarps as the stockpile was constructed to mitigate environmental contact with the soils while they awaited soil sampling characterization.

Soil samples were collected from the MSA every 500 cubic yards (CY) of overburden removed, and sample results are included in **Table 1**. None of the MSA stockpiled soil exceeded the target treatment concentration of 100 mg/kg, and therefore was allowed to remain in the stockpile, covered to protect from wind and rain. The MSA is routinely inspected to ensure there are no gaps in the tarping cover which would expose the MSA to the environment.

Throughout the ISS mixing process, soil has been required intermittently to limit vapors in the treatment area, as well as to construct ISS mixing berms. The MSA has been periodically uncovered to access this soil, and then re-covered with tarps at the end of the day.

Air Monitoring

Five air monitoring stations are located around the fence-line in accordance with the AAMP to monitor real-time for total volatile organic compounds (VOCs) by use of a photoionization detector (ppbRAE) and dust concentrations by use of a DustTrak as well as to collect summa canisters for analytical analysis. The locations of the five air monitoring stations are shown on **Figure 3**.

Continuous Field Air Monitoring

In accordance with the AAMP, VOCs and dust concentrations were monitored at the fence-line and if VOCs were detected at a concentration of 500 parts per billion (ppb) total VOCs over background, a portable gas chromatography unit, the VOCAM, was deployed to test real time, discreet TCE concentrations.

During testing, the VOCAM was identified as not only difficult to use but has not been able to display consistently reliable results. Many of the VOCAM readings (1 minute sample collection) were non-detect, while the analytical

data (24-hour sample collection) corresponding to the same date returned elevated TCE concentrations above the action limit outlined in the AAMP. Furthermore, the VOCAM underwent significant maintenance issues on September 20, 2022, and has not been able to be used at the Site since. Data collected using the VOCAM between July 18, 2022 and September 20, 2022 is included in **Table 2**.

Due to issues with the VOCAM, Arcadis and RACER, with concurrence from EPA, switched to use a FROG portable gas chromatography unit at or near the excavation limits beginning on October 7, 2022. The FROG has since been able to display real-time results which have allowed for immediate stoppage of work to implement mitigation measures such as the use of short-term and long-term vapor reducing foam when elevated air results are observed.

Each day, the Arcadis air monitoring staff on site observe and track the wind direction and speed throughout the day and use the FROG to sample throughout the day in the downwind location from where ISS work is actively occurring.

- If a detection is observed on the FROG, Arcadis notifies GSI to apply more short-term vapor reducing foam, and then moves the FROG to the corresponding downwind fence line location to collect another FROG data point at the fence line.
- If elevated TCE concentrations are observed at the downwind fence line location, a stop work of the ISS mixing is conducted and a combination of one or more of the following is implemented: apply clean soil, long-term vapor reducing foam, and/or water to the ISS mixing work area to abate any potential vapor release.

A representative example of the daily field FROG monitoring map that is produced by the onsite air monitoring staff is included from October 27, 2022 as **Figure 4**. All of the FROG sample results are presented in **Table 3** from October 7, 2022 through November 4, 2022.

Analytical Air Sampling

In accordance with the AAMP, analytical air samples were to be collected for TCE analysis at five air monitoring stations during five events:

1. One day of baseline sampling (occurred July 18, 2022)
2. Five days of sampling at the beginning of Excavation (occurred July 20 through 27, 2022)
3. Five days of sampling at the beginning of Step 1 – ZVI Mixing (occurred August 23 through 30, 2022)
4. Five days of sampling at the beginning of Step 2 – PC Mixing (occurred October 4 through 10, 2022)
5. Any time the portable gas chromatography unit (VOCAM or FROG) exceeded the established TCE screening level of $2.24 \mu\text{g}/\text{m}^3$ (an example of which occurred on August 10, 2022)

Due to air monitoring equipment reliability issues with the VOCAM, as discussed above, daily air sampling began September 7, 2022, after elevated TCE concentrations were received from the laboratory associated with the first five days of Step 1- ZVI Mixing. USEPA was provided the air analytical data and plan for continued sampling for laboratory analysis. In addition to the increased frequency of analytical sampling, Arcadis also conducted ambient air analytical sampling outside of the Site, at locations AA-6, AA-7, AA-8, AA-9, and AA-10 on September 14, 2022. The locations of air sampling stations AA-1 through AA-10 are shown on **Figure 4**. USEPA was provided the data from the additional sampling and mitigation measures were discussed.

Of the 267 analytical air samples with data returned from the lab to date, 79 analytical air samples have exceeded the established target TCE level specified in the AAMP. Air sample data received from the lab from July 18, 2022

through November 4, 2022 is included in **Table 4**. Note that some data has not been validated in accordance with the Quality Assurance Project Plan and should be considered draft until validation is complete.

The bulk of analytical air sample exceedances occurred between August 23, 2022 (the first day of ZVI mixing) and October 5, 2022. From August 23 to September 20, 2022, ZVI Mixing was occurring. The majority of air monitoring results were in the range of 3 to 20 $\mu\text{g}/\text{m}^3$, with the highest result occurring at AA-4 (closest station to active ISS mixing) at a concentration of 103 $\mu\text{g}/\text{m}^3$ on September 7, 2022.

From September 21, 2022 through October 3, 2022, all mixing work was paused to identify and source new long-term vapor reducing foam as well as apply minimally impacted soil from the MSA over the entire northern ISS mixing area to stop any vapor releases from the previously mixed cells. USEPA was notified of the stop in work and plan for the mitigation measures. As a result of the data review, and discussion with EPA, mitigation measures were implemented as outlined in the following section.

On November 2, 2022, soil was moved from the southwestern portion of the stockpile which contained higher concentrations of TCE to the excavation for the purpose of creating berms for the mixing activities. The higher TCE concentrations in the stockpiled soils may have resulted in the air sample results observed in AA-5 from November 2 through 4, 2022. After receiving the analytical results, this portion of the stockpile was re-covered and soils were retrieved from the northern portion of the stockpile for creating the berms within the excavation.

Mitigation Measures

As an initial mitigation measure, water was sprayed over previously mixed ZVI cells to keep them hydrated and prevent off-gassing beginning September 7, 2022. As this technique did not help in reducing TCE concentrations at the fence-line; the use of short-term vapor and odor reducing foam was applied continuously during mixing beginning on September 7, 2022. After concentrations were observed above screening level at the fence-line while no activities were being implemented, as observed on September 14 to 15, 2022 when 15-hour overnight samples were deployed, RACER requested GSI place overburden soil back into the open excavation on September 21, 2022 on cells that had already completed ZVI mixing treatment. Concentrations were still above screening level at the fence-line with this additional mitigation measure; therefore, long-term suppression foam was added once a cell was completed, beginning on October 4, 2022.

Once the levels were mitigated to below the screening level, the decision was made to commence Step 2 – PC Mixing, in the cells which had already been ZVI-mixed and achieved the 28-day reaction time, or longer. During implementation of the PC mixing, the following mitigation measures were implemented:

- Place overburden over ISS treated cell.
- Create soil berms using overburden around cell to be treated.
- Continuously spray short-term odor suppression foam while mixing. Ensure excavator bucket stay at or below the surface.
- Following completion of cell mixing, spray the top of the cell with short-term odor suppression foam.
- Place overburden material on PC-treated cell after 24-hours.
- Spray the overburden with long-term odor suppression foam.

Step 2 – PC Mixing began on October 4, 2022 and continued through October 19, 2022. Only two air monitoring results were above target levels once the mitigation measures appeared to be successful on October 6, 2022, with the maximum air monitoring result of 2.7 $\mu\text{g}/\text{m}^3$ occurring at AA-1 on October 17, 2022. Following the

success of the PC Mixing operations, and a discussion with USEPA on October 18, 2022, approval to continue ZVI Mixing was obtained.

Step 1 - ZVI Mixing recommenced on October 20, 2022. A mixture of ZVI Mixing and PC Mixing has been occurring concurrently from October 31, 2022 through November 4, 2022, with continued daily analytical air sampling occurring in addition to the daily continuous field air monitoring.

Monthly Groundwater Sampling

In accordance with the Groundwater Contingency Plan, which was included as an appendix in the CMI Workplan (Arcadis 2022), monthly groundwater sampling events have occurred to determine how remediation efforts are affecting contaminant concentrations in the groundwater. Baseline data was collected from July 27 through 29, 2022 prior to the beginning of Step 1 -ZVI Mixing from both Transect 1 and Transect 2 monitoring wells. Analytical data is presented in **Table 5**. It should be noted that a baseline sample was not collected from MW-0619-S1 and since this well exhibits seasonal fluctuation, the historic groundwater concentrations from MW-0619-S1, as well as the recent monthly groundwater sampling data during ISS, are included in **Table 6**.

During the baseline and monthly sampling events, groundwater samples were collected from the monitoring wells using a disposable bailer after purging three well volumes from the well. Groundwater samples were submitted to Pace Analytical in Indianapolis, Indiana for VOC analysis (SW-846 Method 8260) on a one-week turnaround time.

Monthly groundwater sampling has occurred on August 26, 2022, September 26, 2022, and October 25, 2022. Monthly sampling has continued only in Transect 1 wells. Per the Groundwater Contingency Plan, Transect 2 wells will be sampled if a significant groundwater concentration increase is observed from baseline in any of the Transect 1 wells. A significant increase is defined as an order of magnitude increase from baseline sampling. Significant increases in groundwater concentrations have not been observed in Transect 1 wells through the October 25, 2022. The groundwater concentrations in MW-0619-S1 have been consistent throughout the monthly sampling events and therefore no significant increases have been observed in this well. Transect 1 and Transect 2 well locations are detailed on **Figure 5**, as well as groundwater concentrations through the September 26, 2022 sampling event.

All data from the baseline and monthly groundwater sampling events is included as **Table 5**, however, some data has not yet been validated in accordance with the Quality Assurance Project Plan and should be considered draft until validation is complete.

TABLE 1 - Stockpile Soil Analytical Data Summary
RACER Trust Former GM Delco Plant 5
Kokomo, Indiana



Sample Location	Date	Sample ID	Sample Type	TCE Concentration ¹ (mg/kg)
SS-01	7/25/2022	SS-01-832(07252022)	N	4.86
SS-02	7/25/2022	SS-02-833(07252022)	N	2.55
SS-03	7/25/2022	SS-03-832(07252022)	N	1.16
SS-04	7/25/2022	SS-04-833(07252022)	N	0.753
SS-05	7/28/2022	SS-05-833 (07282022)	N	0.248
SS-06	7/28/2022	SS-06- 832.5 (07282022)	N	0.0477
SS-07	7/28/2022	SS-07- 832.5 (07282022)	N	0.188
SS-08	8/2/2022	SS-08-832.5 (08022022)	N	1.13
SS-09	8/2/2022	SS-09-832 (08022022)	N	1.74
SS-10	8/4/2022	SS-10-833.5(08042022)	N	2.47
SS-10	8/4/2022	DUP-1 (08042022)	FD	7.03
SS-11	8/4/2022	SS-11-833.5(08042022)	N	4.27
SS-12	8/8/2022	SS-12-833(08082022)	N	15.9
SS-13	8/8/2022	SS-13-833(08082022)	N	9.21
SS-14	8/8/2022	SS-14-832(08082022)	N	21.0
SS-15	8/10/2022	SS-15-833 (08102022)	N	6.70
SS-16	8/10/2022	SS-16-833 (08102022)	N	7.53
SS-17	8/12/2022	SS-17-832.5 (08122022)	N	4.24
SS-18	8/12/2022	SS-18-832.5 (08122022)	N	0.756
SS-19	8/12/2022	SS-19-832 (08122022)	N	2.16
SS-20	8/17/2022	SS-20-833 (08172022)	N	29.2 M1
SS-20	8/17/2022	DUP-02 (08172022)	FD	34.5
SS-21	8/17/2022	SS-21-833 (08172022)	N	4.67
SS-22	8/17/2022	SS-22-833.5 (08172022)	N	0.400
SS-23	8/17/2022	SS-23-833 (08172022)	N	6.61
SS-24	8/17/2022	SS-24-833 (08172022)	N	7.58

NOTES:

TCE - Trichloroethene

FD - Field Duplicate Sample Type

Ft - Feet below stockpile surface

M1 - Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N - Normal Sample Type

1. Soil stockpile samples were screened against the soil migration to groundwater criteria. If sample exceeded 100 mg/kg of TCE, the sample was to be mixed into the ISS treatment zone.

TABLE 2 - VOCAM Air Monitoring Log
RACER Trust - Kokomo, IN
Former GM Delco Plant 5
July 18, 2022 through September 22, 2022
CEASED USE OF VOCAM SEPT. 20, 2022

Sampler	Air Station	Date	Time	Weather Station ID	Temperature (Degrees F)	Temperature (K)	Pressure (”Hg)	Pressure (kPa)	VOCAM ID	TCE (ppbV)	Calculated TCE ¹ (µg/m3)	QC Flag	ppbRAE ID	PID (ppb)	DustTRAK ID	Dusts (ug/m ³)	Did you run blank before sample? (Y/N)	Did sample end early? (Y/N)	Unidentified Detections (Y/N)	Lab Sample ID	Lab Sample Results (ug/m3)	Observations During VOCAM Sample Collection
Detections are Bolded Exceedances are Shaded Gray										NA	2.24		(from pine)	500	(from pine)	75						
1: TCE concentration calculated using the following calculation: ug/m ³ = ppbV*Molecular Weight _{Contaminant} (grams/mole)*(1/8.3144 _{atm*Liters/moleK})*(1/T _{air(K)})*P _{atm(kPa)} . Where ppbv is recorded from the FROG instrument (ppbv); Molar mass of TCE = 131.4 g/mol; Temperature is obtained from the AA-1 weather station in degrees Fahrenheit and converted to Kelvin. Pressure is obtained from the AA-1 weather station in inches mercury and converted to kilopascals.																						
Note: Frog sample collection time is 1 minute.																						
EST	AA-1	7/18/2022	16:25	47961	82.76	301.350	29.78	100.862	212100	ND	#VALUE!		38262	248	23630	28	N	N	Y	AA-1 (07182022)	ND	7/18/22: Summa canister collected for baseline monitoring. No excavation occurred.
EST	AA-2	7/18/2022	17:36	47961	82.76	301.350	29.78	100.862	212100	ND	#VALUE!		15592	NA	31112	27	N	N	Y	AA-2 (07182022)	ND	ppbRAE air pump not working correctly. Did not deploy PID meter to this station. EPA approved.
EST	AA-3	7/18/2022	17:00	47961	82.76	301.350	29.78	100.862	212100	ND	#VALUE!		15408	266	19626	32	N	N	Y	AA-3 (07182022)	ND	
EST	AA-4	7/18/2022	18:06	47961	82.76	301.350	29.78	100.862	212100	ND	#VALUE!		43774	75	23608	29	N	N	Y	AA-4 (07182022)	ND	
EST	AA-5	7/18/2022	16:04	47961	82.76	301.350	29.78	100.862	212100	ND	#VALUE!		50584	95	43237	24	Y	N	Y	AA-5 (07182022)	ND	
EST	AA-1	7/19/2022	16:51	47961	85.28	302.750	29.77	100.828	212100	ND	#VALUE!		38262	134	23630	18	N	N	Y	NA	NA	7/19/22: No excavation occurred. No summa canister air samples collected.
EST	AA-2	7/19/2022	16:32	47961	85.28	302.750	29.77	100.828	212100	ND	#VALUE!		38261	472	31112	18	N	N	Y	NA	NA	
EST	AA-3	7/19/2022	13:26	47961	85.28	302.750	29.77	100.828	212100	ND	#VALUE!		15408	906	19626	24	Y	N	Y	NA	NA	Wind direction was 2.2 mph at 17 degrees (wind blowing to the NNE). AA-3 is the background upwind location.
EST	AA-4	7/19/2022	16:09	47961	85.28	302.750	29.77	100.828	212100	ND	#VALUE!		43774	169	23608	24	N	N	Y	NA	NA	
EST	AA-5	7/19/2022	15:40	47961	85.28	302.750	29.77	100.828	212100	ND	#VALUE!		50584	794	43237	23	N	N	Y	NA	NA	AA-3 was the background upwind location, so AA-5 is not an exceedance.
EST	AA-1	7/20/2022	10:59	47961	83.6	301.817	29.59	100.218	212100	ND	#VALUE!		38262	0	23630	32	Y	N	Y	AA-1 (07202022)	ND	7/20/2022: Day 1 of excavation, excavation occurs 8:30 - 17:00. Air samples collected. Cell J excavation.
EST	AA-2	7/20/2022	11:17	47961	83.12	301.550	29.59	100.218	212100	ND	#VALUE!		50747	331	31112	31	N	N	Y	AA-2 (07202022)	ND	
EST	AA-3	7/20/2022	11:35	47961	83.48	301.750	29.59	100.218	212100	ND	#VALUE!		15408	0	19626	35	N	N	Y	AA-3 (07202022)	ND	
EST	AA-4	7/20/2022	11:56	47961	84.2	302.150	29.59	100.218	212100	ND	#VALUE!		43774	0	23608	36	N	N	Y	AA-4 (07202022)	ND	
EST	AA-5	7/20/2022	12:14	47961	84.2	302.150	29.59	100.218	212100	ND	#VALUE!		50584	0	43237	38	N	N	Y	AA-5 (07202022)	ND	
EST	AA-1	7/20/2022	14:44	47961	88.52	304.550	29.55	100.083	212100	3.76	19.53	J	38262	0	23630	32	N	N	Y	AA-1 (07202022)	ND	VOCAM exceedance recorded, consulted with AAMP experts and instructed to take second VOCAM sample at this location after completing Round 2 of VOCAM readings. Cell J excavation occurring. Air samples for lab analysis were being collected.
EST	AA-2	7/20/2022	15:10	47961	88.52	304.550	29.54	100.049	212100	ND	#VALUE!		50747	0	31112	21	N	N	Y	AA-2 (07202022)	ND	
EST	AA-3	7/20/2022	15:28	47961	88.7	304.650	29.54	100.049	212100	ND	#VALUE!		15408	0	19626	28	N	N	Y	AA-3 (072102022)	ND	
EST	AA-4	7/20/2022	15:46	47961	88.88	304.750	29.53	100.015	212100	ND	#VALUE!		43774	0	23608	26	N	N	Y	AA-4 (07202022)	ND	
EST	AA-5	7/20/2022	16:08	47961	89.6	305.150	29.53	100.015	212100	ND	#VALUE!		50584	0	43237	24	N	N	Y	AA-5 (07202022)	ND	
EST	AA-1	7/20/2022	16:32	47961	87.62	304.050	29.53	100.015	212100	ND	#VALUE!		38262	25	23630	20	Y	N	Y	AA-1 (07202022)	ND	Ran a blank VOCAM sample, and re-sampled AA-1 where TCE exceedance was noted earlier. No TCE reported in re-run sample.
EST	AA-1	7/21/2022	9:45-10:56	47961	73.4	296.150	29.77	100.828	212100	ND	#VALUE!		38262	0	23630	41	Y	N	Y	AA-1 (07212022)	ND	Ran VOCAM in telemetry mode on 7/21/22 at AA-1 from 9:45-10:55 AM.
EST	AA-2	7/21/2022	8:36	47961	71.6	295.150	29.76	100.794	212100	ND	#VALUE!		50747	0	31112	84	N	N	Y	AA-2 (07212022)	ND	7/21/22: Excavation at Cell J continues. Excavation start time = 08:00. Dust exceedance noted for less than 5 minutes, dust suppression applied by spraying water on the excavation and dump truck path.
EST	AA-3	7/21/2022	8:18	47961	71.6	295.150	29.76	100.794	212100	ND	#VALUE!		15408	NA	19626	NA	N	N	Y	AA-3 (07212022)	ND	PID & DustTrack not running before VOCAM reading. Troubleshooting equipment.
EST	AA-4	7/21/2022	8:00	47961	71.6	295.150	29.76	100.794	212100	ND	#VALUE!		43774	NA	23608	NA	N	N	Y	AA-4 (07212022)	ND	PID & DustTrack not running before VOCAM reading. Troubleshooting equipment.
EST	AA-5	7/21/2022	7:42	47961	71.6	295.150	29.76	100.794	212100	ND	#VALUE!		50584	NA	43237	NA	Y	N	Y	AA-5 (07212022)	ND	PID & DustTrack not running before VOCAM reading. Troubleshooting equipment.
EST	AA-1	7/21/2022	14:40	47961	85.28	302.750	29.75	100.760	212100	ND	#VALUE!		38262	0	23630	42	Y	N	N	AA-1 (07212022)	ND	
EST	AA-2	7/21/2022	14:58	47961	84.56	302.350	29.75	100.760	212100	ND	#VALUE!		50747	0	31112	22	N	N	N	AA-2 (07212022)	ND	
EST	AA-3	7/21/2022	15:15	47961	84.92	302.550	29.75	100.760	212100	ND	#VALUE!		15408	0	19626	27	N	N	Y	AA-3 (07212022)	ND	
EST	AA-4	7/21/2022	15:33	47961	85.28	302.750	29.75	100.760	212100	ND	#VALUE!		43774	0	23608	26	N	N	Y	AA-4 (07212022)	ND	
EST	AA-5	7/21/2022	16:24	47961	86	303.150	29.76	100.794	212100	ND	#VALUE!		50584	0	43237	30	Y	N	Y	AA-5 (07212022)	ND	
FSS	AA-1	7/22/2022	8:31	47961	71	294.817	30	101.607	212100	ND	#VALUE!		38262	0	23630	28	Y	N	Y	NA	NA	7/22/2022: Excavation at Cell J continues. Excavation start time = 08:00.
FSS	AA-2	7/22/2022	8:48	47961	72	295.372	30	101.607	212100	ND	#VALUE!		50747	36	31112	20	N	N	Y	NA	NA	
FSS	AA-3	7/22/2022	9:04	47961	73	295.928	30	101.607	212100	ND	#VALUE!		15408	0	19626	19	N	N	Y	NA	NA	
FSS	AA-4	7/22/2022	9:21	47961	73	295.928	30	101.607	212100	ND	#VALUE!		43774	0	23608	23	N	N	Y	NA	NA	
FSS	AA-5	7/22/2022	9:39	47961	74	296.483	30	101.607	212100	ND	#VALUE!		50584	0	43237	26	N	N	Y	NA	NA	
BF	AA-2	7/22/2022	12:30	47961	80.1	299.872	29.9	101.268	212100	ND	#VALUE!		50747	177	31112	10	Y	N	Y	NA	NA	Conducting VOCAM training with B. Fagin, ran additional VOCAM samples.
BF	AA-2	7/22/2022	14:44	47961	82.6	301.261	29.9	101.268	212100	ND	#VALUE!		50747	184	31112	32	Y	N	Y	NA	NA	
BF	AA-1	7/22/2022	15:04	47961	82.6	301.261	29.9	101.268	212100	ND	#VALUE!		38262	0	23630	13	N	N	Y	NA	NA	
BF	AA-3	7/22/2022	15:22	47961	83.1	301.539	29.9	101.268	212100	ND	#VALUE!		15408	0	19626	37	N	N	Y	NA	NA	
BF	AA-4	7/22/2022	15:50	47961	83.1	301.539	29.9	101.268	212100	ND	#VALUE!		43774	0	23608	16	N	N	Y	NA	NA	
BF	AA-5	7/22/2022	16:07	47961	83.7	301.872	29.9	101.268	212100	ND	#VALUE!		50584	0	43237	16	N	N	Y	NA	NA	

TABLE 2 - VOCAM Air Monitoring Log
RACER Trust - Kokomo, IN
Former GM Delco Plant 5
July 18, 2022 through September 22, 2022
CEASED USE OF VOCAM SEPT. 20, 2022

Sampler	Air Station	Date	Time	Weather Station ID	Temperature (Degrees F)	Temperature (K)	Pressure (^o Hg)	Pressure (kPa)	VOCAM ID	TCE (ppbV)	Calculated TCE ¹ (ug/m3)	QC Flag	ppbRAE ID	PID (ppb)	DustTRAK ID	Dusts (ug/m ³)	Did you run blank before sample? (Y/N)	Did sample end early? (Y/N)	Unidentified Detections (Y/N)	Lab Sample ID	Lab Sample Results (ug/m3)	Observations During VOCAM Sample Collection
Detections are Bolded Exceedences are Shaded Gray									(from Pine)	NA	2.24		(from pine)	500	(from pine)	75						
FSS	AA-1	7/25/2022	11:16	47961	75.0	297.039	30.0	101.607	212100	ND	#VALUE!		38262	0	23630	9	Y	N	Y	AA-1 (07252022)	ND	07/25/22: Excavation continues at Cell J. Run VOCAM Blank at 11:02 prior to Round 1 VOCAM samples.
FSS	AA-2	7/25/2022	11:34	47961	75.0	297.039	30.0	101.607	212100	ND	#VALUE!		50747	201	31112	8	N	N	Y	AA-2 (07252022)	ND	
FSS	AA-3	7/25/2022	11:52	47961	75.4	297.261	30.0	101.607	212100	ND	#VALUE!		15408	0	19626	24	N	N	Y	AA-3 (07252022)	ND	
FSS	AA-4	7/25/2022	12:10	47961	74.8	296.928	30.0	101.607	212100	ND	#VALUE!		43774	0	23608	14	N	N	Y	AA-4 (07252022)	ND	
FSS	AA-5	7/25/2022	12:29	47961	74.8	296.928	30.0	101.607	212100	ND	#VALUE!		50584	3	43237	15	N	N	Y	AA-5 (07252022)	ND	
FSS	AA-1	7/25/2022	15:17	47961	76.5	297.872	30.0	101.607	212100	ND	#VALUE!		38262	0	23630	10	Y	N	Y	AA-1 (07252022)	ND	Run VOCAM Blank at 15:04 prior to Round 2 VOCAM samples.
FSS	AA-2	7/25/2022	15:37	47961	75.9	297.539	29.9	101.268	212100	ND	#VALUE!		50747	118	31112	15	N	N	Y	AA-2 (07252022)	ND	
FSS	AA-3	7/25/2022	15:57	47961	76.3	297.761	29.9	101.268	212100	ND	#VALUE!		15408	0	19626	28	N	N	N	AA-3 (07252022)	ND	
FSS	AA-4	7/25/2022	16:15	47961	76.5	297.872	29.9	101.268	212100	1.84	9.89	ND	43774	0	23608	17	N	N	Y	AA-4 (07252022)	ND	During sample collection, there was no excavation occurring. Excavator was being used to collect soil samples from the stockpile (MSA) area. AA-4 is approximately 500 feet from the MSA. Wind was blowing at 0 mph to the SE. AA-4 was not downwind from the MSA. Was collecting laboratory sample AA-4 (07252022) at this time. Based on observed peak to peak noise, result is flagged as non-detect. A few things could cause this "peak to peak" noise including a dirty PID bulb (not likely), not letting the unit warm up enough prior to a run (not the case here), overheating (most likely cause). When the case temperature becomes too hot, it can cause the pre-concentrator chip to give off small amounts of substances that show up as this noise.
FSS	AA-4	7/25/2022	16:50	47961	75.9	297.539	29.9	101.268	212100	ND	#VALUE!		43774	0	23608	15	Y	N	Y	AA-4 (07252022)	ND	Detected TCE, so ran blank at 16:33 and then this run as a resample.
FSS	AA-5	7/25/2022	17:11	47961	75.7	297.428	29.9	101.268	212100	ND	#VALUE!		50584	0	43237	10	N	N	Y	AA-5 (07252022)	ND	
FSS	AA-1	7/26/2022	12:12	47961	74.3	296.650	30.0	101.607	212100	ND	#VALUE!		38262	0	23630	9	Y	N	Y	AA-1 (07262022)	ND	7/26/2022: Day 4 of excavation. Begin excavating at Cell I. VOCAM Blank run prior to Round 1 VOCAM samples at 11:59. Wind direction = 354 degrees.
FSS	AA-2	7/26/2022	12:29	47961	72.5	295.650	29.9	101.268	212100	ND	#VALUE!		50747	158	31112	13	N	N	N	AA-2 (07262022)	ND	
FSS	AA-3	7/26/2022	12:45	47961	72.3	295.539	29.9	101.268	212100	ND	#VALUE!		15408	0	19626	14	N	N	N	AA-3 (07262022)	ND	
FSS	AA-4	7/26/2022	13:06	47961	72.3	295.539	29.9	101.268	212100	ND	#VALUE!		43774	0	23608	23	N	N	N	AA-4 (07262022)	ND	
FSS	AA-5	7/26/2022	13:24	47961	72.3	295.539	29.9	101.268	212100	ND	#VALUE!		50584	0	43237	22	N	N	N	AA-5 (07262022)	1.60	
FSS	AA-1	7/26/2022	13:57	47961	73.6	296.261	29.9	101.268	212100	ND	#VALUE!		38262	0	23630	20	Y	N	Y	AA-1 (07262022)	ND	VOCAM Blank run prior to Round 2 VOCAM samples at 13:43.
FSS	AA-2	7/26/2022	14:15	47961	73.6	296.261	29.9	101.268	212100	ND	#VALUE!		50747	136	31112	18	N	N	N	AA-2 (07262022)	ND	
FSS	AA-3	7/26/2022	14:32	47961	72.68	295.750	29.94	101.404	212100	ND	#VALUE!		15408	0	19626	19	N	N	N	AA-3 (07262022)	ND	
FSS	AA-4	7/26/2022	14:52	47961	73.94	296.450	29.91	101.302	212100	ND	#VALUE!		43774	0	23608	24	N	N	Y	AA-4 (07262022)	ND	
FSS	AA-5	7/26/2022	15:20	47961	74.48	296.750	29.91	101.302	212100	ND	#VALUE!		50584	0	43237	22	N	N	Y	AA-5 (07262022)	1.60	
FSS	AA-1	7/27/2022	15:11	47961	76.6	297.928	29.8	100.930	212100	ND	#VALUE!		38262	0	23630	22	Y	N	Y	NA	NA	7/27/2022: Day 5 of excavation. Continue excavating at Cell I. VOCAM Blank run prior to Round 1 VOCAM samples at 14:54. Wind direction = 7 degrees.
FSS	AA-2	7/27/2022	15:32	47961	77.5	298.428	29.8	100.930	212100	ND	#VALUE!		50747	240	31112	16	N	N	Y	NA	NA	
FSS	AA-3	7/27/2022	15:49	47961	77.9	298.650	29.8	100.930	212100	ND	#VALUE!		15408	0	19626	23	N	N	Y	NA	NA	
FSS	AA-4	7/27/2022	16:17	47961	78.6	299.039	29.8	100.930	212100	1.5	8.00	ND	43774	0	23608	15	N	N	Y	NA	NA	Detected 2 different concentrations of TCE: 1.50 and 1.12 ppbv. Excavation occurring right next to AA-4 at Cell I. Wind blowing at 2.2 mph, 72 degrees, but rapidly changing directions. PID at AA-4 stopped recording via telemetry, but manual check showed 0 ppbv. Based on observed peak to peak noise, result is flagged as non-detect. See notes from 7/25/2022.
FSS	AA-4	7/27/2022	17:17	47961	80.6	300.150	29.8	100.930	212100	ND	#VALUE!		43774	0	23608	15	Y	N	Y	NA	NA	Rerun due to above TCE detections.
FSS	AA-5	7/27/2022	17:47	47961	80.4	300.039	29.8	100.930	212100	ND	#VALUE!		50584	0	43237	15	N	N	Y	NA	NA	

TABLE 2 - VOCAM Air Monitoring Log
RACER Trust - Kokomo, IN
Former GM Delco Plant 5
July 18, 2022 through September 22, 2022
CEASED USE OF VOCAM SEPT. 20, 2022

Sampler	Air Station	Date	Time	Weather Station ID	Temperature (Degrees F)	Temperature (K)	Pressure (³ Hg)	Pressure (kPa)	VOCAM ID	TCE (ppbV)	Calculated TCE ¹ (ug/m3)	QC Flag	ppbRAE ID	PID (ppb)	DustTRAK ID	Dusts (ug/m ³)	Did you run blank before sample? (Y/N)	Did sample end early? (Y/N)	Unidentified Detections (Y/N)	Lab Sample ID	Lab Sample Results (ug/m3)	Observations During VOCAM Sample Collection
Detections are Bolded Exceedences are Shaded Gray									(from Pine)	NA	2.24		(from pine)	500	(from pine)	75						
FSS	AA-1	7/28/2022	9:14	47961	68.7	293.539	29.9	101.268	212100	3.43	18.70	ND	38262	0	23630	20	Y	N	Y	NA	NA	VOCAM Blank run prior to Round 1 VOCAM samples at 0823. Blank showed 34 unnamed analytes and 1 TCE hit. Stopped using this carbon filter and ran another blank with a different filter, no TCE this time. Based on observed peak to peak noise, result is flagged as non-detect. See notes from 7/25/2022.
FSS	AA-1	7/28/2022	11:38	47961	75.9	297.539	29.9	101.268	212100	ND	#VALUE!		38262	119	23630	21	Y	N	N	NA	NA	Ran 2 retention time checks before this run, and one blank with the correct carbon filter.
FSS	AA-2	7/28/2022	12:05	47961	76.5	297.872	29.9	101.268	212100	ND	#VALUE!		50747	34	31112	22	N	N	N	NA	NA	
FSS	AA-3	7/28/2022	14:44	47961	80.8	300.261	29.8	100.930	212100	ND	#VALUE!		15408	0	19626	31	N	N	Y	NA	NA	
FSS	AA-4	7/28/2022	15:02	47961	81.1	300.428	29.8	100.930	212100	1.03	5.47	ND	43774	0	23608	25	N	N	Y	NA	NA	Washing of soil dump truck occurring next to station. Ran another blank at 15:17 and reran test. See below row. Based on observed peak to peak noise, result is flagged as non-detect. See notes from 7/25/2022.
FSS	AA-4	7/28/2022	15:34	47961	82.0	300.928	29.8	100.930	212100	ND	#VALUE!		43774	0	23608	24	Y	N	Y	NA	NA	
FSS	AA-5	7/28/2022	17:02	47961	81.5	300.650	29.8	100.930	212100	ND	#VALUE!		50584	0	43237	18	Y	N	Y	NA	NA	Determined that, from now on, blank will be run before each sample. Associated blank = 26.
BF	AA-1	8/1/2022	13:20	47961	76.3	297.761	29.8	100.930	030322-3	ND	#VALUE!		38262	10	23630	15	Y	N	Y	NA	NA	8.9mph, 36 degrees wind direction, 74% humidity - dubious result, will run blanks then rerun.
BF	AA-1	8/1/2022	14:26	47961	78.62	299.050	29.82	100.997	030322-3	ND	#VALUE!		38262	32	23630	12	Y	N	Y	NA	NA	71% humidity, 8.9mph, wind direction 54 degrees
BF	AA-1	8/1/2022	15:13	47961	80.8	300.261	29.8	100.930	030322-3	ND	#VALUE!		38262	53	23630	12	Y	N	Y	NA	NA	70% humidity, 20.1mph, 35 degrees wind direction - sample taken from top of truck cab
BF	AA-2	8/1/2022	15:54	47961	81.8	300.817	29.7	100.591	030322-3	ND	#VALUE!		50747	51	31112	13.5	Y	Y*	Y	NA	NA	accidentally hit start before I was ready (15:53), 68% humidity, 6.7mph at 34 degrees wind direction
BF	AA-3	8/1/2022	16:29	47961	81.5	300.650	29.79	100.896	030322-3	ND	#VALUE!		15408	16	19626	0	Y	N	Y	NA	NA	12 degrees wind direction, 8.9mph, 68% humidity
BF	AA-4	8/1/2022	17:14	47961	83.1	301.539	29.8	100.930	030322-3	ND	#VALUE!		43774	54	23608	15	Y	N	Y	NA	NA	63% humidity, 31.3mph, 17 degrees wind direction
BF	AA-5	8/1/2022	17:47	47961	83.1	301.539	29.8	100.930	030322-3	ND	#VALUE!		50584	0	43237	21	Y	N	Y	NA	NA	31.3mph, 48 degrees direction, 61% humidity
BF	AA-1	8/2/2022	10:19	47961	76.6	297.928	29.9	101.268	030322-3	ND	#VALUE!		38262	0	23630	16	Y	N	Y	NA	NA	0mph, 23 degrees wind direction, 71% humidity
BF	AA-2	8/2/2022	10:51	47961	78.6	299.039	29.9	101.268	030322-3	ND	#VALUE!		50747	0	31112	11	Y	N	Y	NA	NA	6.7mph, 131 degrees wind direction, 65% humidity
BF	AA-3	8/2/2022	11:21	47961	78.1	298.761	29.9	101.268	030322-3	ND	#VALUE!		15408	0	19626	29	Y	N	Y	NA	NA	0mph, 79 degrees wind direction, 62%
BF	AA-4	8/2/2022	11:51	47961	78.4	298.928	29.9	101.268	030322-3	ND	#VALUE!		43774	0	23608	18	Y	N	Y	NA	NA	2.2mph, 81 degrees wind direction, 64% humidity
BF	AA-5	8/2/2022	12:24	47961	78.1	298.761	29.9	101.268	030322-3	ND	#VALUE!		50584	0	43237	18	Y	N	Y	NA	NA	13.4mph, 75 degrees wind direction, 67% humidity
BF	AA-1	8/2/2022	14:17	47961	77.7	298.539	29.9	101.268	030322-3	ND	#VALUE!		38262	0	23630	45	Y	N	Y	NA	NA	26.8mph, 113 degrees wind direction, 70% humidity
BF	AA-2	8/2/2022	14:32	47961	77.9	298.650	29.9	101.268	030322-3	ND	#VALUE!		50747	0	31112	11	N	N	Y	NA	NA	6.7mph, 84 degrees wind speed, 71% humidity
BF	AA-3	8/2/2022	15:11	47961	78.6	299.039	29.9	101.268	030322-3	ND	#VALUE!		15408	0	19626	28	Y	N	Y	NA	NA	6.7mph, 103 degrees wind direction, 67% humidity
BF	AA-4	8/2/2022	15:29	47961	78.8	299.150	29.9	101.268	030322-3	ND	#VALUE!		43774	0	23608	16	N	N	Y	NA	NA	8.9mph, 84 degrees wind direction, 70% humidity
BF	AA-5	8/2/2022	15:47	47961	79.3	299.428	29.9	101.268	030322-3	ND	#VALUE!		50584	0	43237	19	N	N	Y	NA	NA	0mph, 81 degrees wind direction, 67% humidity
BF	AA-1	8/3/2022	9:55	47961	78.6	299.039	29.85	101.099	030322-3	ND	#VALUE!		38262	0	23630	16.5	Y	N	Y	NA	NA	0mph, 14 degrees wind direction, 80% humidity
BF	AA-2	8/3/2022	10:09	47961	79	299.261	29.84	101.065	030322-3	ND	#VALUE!		50747	40	31112	14.8	N	N	Y	NA	NA	8.9mph, 22 degrees wind direction, 79% humidity
BF	AA-3	8/3/2022	10:31	47961	80.2	299.928	29.83	101.031	030322-3	ND	#VALUE!		15408	0	19626	29.5	N	N	Y	NA	NA	44.7mph, 21 degrees wind direction, 78% humidity
BF	AA-4	8/3/2022	10:48	47961	81.3	300.539	29.83	101.031	030322-3	ND	#VALUE!		43774	0	23608	24.5	N	N	Y	NA	NA	31.3mph, 22 degrees wind direction, 76% humidity
BF	AA-5	8/3/2022	11:04	47961	82	300.928	29.82	100.997	030322-3	ND	#VALUE!		50584	0	43237	22.6	N	N	Y	NA	NA	24.6mph, 15 degrees wind direction, 75% humidity
BF	AA-1	8/3/2022	14:33	47961	88	304.261	29.8	100.930	030322-3	ND	#VALUE!		38262	0	23630	16.8	Y	N	Y	NA	NA	62.6mph, 21 degrees wind direction, 62% humidity
BF	AA-2	8/3/2022	14:49	47961	88.7	304.650	29.8	100.930	030322-3	ND	#VALUE!		50747	159	31112	15.2	N	N	Y	NA	NA	60.4mph, 341 degrees wind direction, 60% humidity
BF	AA-3	8/3/2022	15:07	47961	88.7	304.650	29.8	100.930	030322-3	ND	#VALUE!		15408	0	19626	34.1	N	N	Y	NA	NA	31.3mph, 15 degrees wind direction, 62% humidity
BF	AA-4	8/3/2022	15:24	47961	88.7	304.650	29.8	100.930	030322-3	ND	#VALUE!		43774	0	23608	23.3	N	N	Y	NA	NA	42.5mph, 29 degrees wind direction, 60% humidity
BF	AA-5	8/3/2022	15:42	47961	89.6	305.150	29.8	100.930	030322-3	ND	#VALUE!		50584	115	43237	23.8	N	N	Y	NA	NA	71.6mph, 19 degrees wind direction, 60% humidity
BF	AA-1	8/4/2022	10:02	47961	72.3	295.539	30	101.607	030322-3	ND	#VALUE!		38262	0	23630	6	Y	N	Y	NA	NA	0mph, 306 degrees wind direction, 83% humidity
BF	AA-2	8/4/2022	10:17	47961	72.7	295.761	30	101.607	030322-3	ND	#VALUE!		50747	0	31112	9	N	N	Y	NA	NA	0mph, 327 degrees wind direction, 83% humidity
BF	AA-3	8/4/2022	11:34	47961	73.6	296.261	30	101.607	030322-3	ND	#VALUE!		15408	0	19626	21	Y	N	Y	NA	NA	0mph, 352 degrees wind direction, 83% humidity
BF	AA-4	8/4/2022	11:48	47961	74.7	296.872	30	101.607	030322-3	ND	#VALUE!		43774	0	23608	12	N	N	Y	NA	NA	2.2mph, 19 degrees wind direction, 78% humidity
BF	AA-5	8/4/2022	12:02	47961	75.4	297.261	30	101.607	030322-3	ND	#VALUE!		50584	0	43237	10	N	N	Y	NA	NA	24.6mph, 28 degrees wind direction, 75% humidity
BF	AA-1	8/4/2022	15:07	47961	79.7	299.650	29.9	101.268	030322-3	ND	#VALUE!		38262	0	23630	8	Y	N	Y	NA	NA	31.3mph, 5 degrees wind direction, 72% humidity
BF	AA-2	8/4/2022	15:21	47961	80.6	300.150	29.9	101.268	030322-3	ND	#VALUE!		50747	92	31112	12	N	N	Y	NA	NA	6.7mph, 67 degrees wind direction, 71% humidity
BF	AA-3	8/4/2022	15:37	47961	79.9	299.761	29.9	101.268	030322-3	ND	#VALUE!		15408	0	19626	25	N	N	Y	NA	NA	8.9mph, 5 degrees wind direction, 73% humidity
BF	AA-4	8/4/2022	15:51	47961	79.9	299.761	29.9	101.268	030322-3	ND	#VALUE!		43774	0	23608	23	N	N	Y	NA	NA	13.4mph, 358 degrees wind direction, 73% humidity
BF	AA-5	8/4/2022	16:07	47961	79.9	299.761	29.9	101.268	030322-3	ND	#VALUE!		50584	0	43237	17	N	N	Y	NA	NA	0mph, 3 degrees wind direction, 74% humidity

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CEASED USE OF VOCAM SEPT. 20, 2022

Sampler	Air Station	Date	Time	Weather Station ID	Temperature (Degrees F)	Temperature (K)	Pressure (”Hg)	Pressure (kPa)	VOCAM ID	TCE (ppbV)	Calculated TCE ¹ (ug/m3)	QC Flag	ppbRAE ID	PID (ppb)	DustTRAK ID	Dusts (ug/m ³)	Did you run blank before sample? (Y/N)	Did sample end early? (Y/N)	Unidentified Detections (Y/N)	Lab Sample ID	Lab Sample Results (ug/m3)	Observations During VOCAM Sample Collection
Detections are Bolded Exceedences are Shaded Gray										(from Pine)	NA	2.24	(from pine)	500	(from pine)	75						
BF	AA-1	8/5/2022	9:15	47961	70.9	294.761	30	101.607	030322-3	ND	#VALUE!		38262	0	23630	19	Y	N	Y	NA	NA	0mph, 36 degrees wind direction, 87% humidity
BF	AA-2	8/5/2022	9:29	47961	71.2	294.928	30	101.607	030322-3	ND	#VALUE!		50747	59	31112	17	N	N	Y	NA	NA	0mph,8 degrees wind direction, 86% humidity
BF	AA-3	8/5/2022	9:42	47961	71.6	295.150	30	101.607	030322-3	ND	#VALUE!		15408	0	19626	32	N	N	Y	NA	NA	0mph, 8 degrees wind direction, 86% humidity
BF	AA-4	8/5/2022	9:56	47961	71.6	295.150	30	101.607	030322-3	ND	#VALUE!		43774	0	23608	22	N	N	Y	NA	NA	0mph, 7 degrees wind direction, 86% humidity
BF	AA-5	8/5/2022	10:10	47961	72.1	295.428	30	101.607	030322-3	ND	#VALUE!		50584	0	43237	24	N	N	Y	NA	NA	0mph, 341 degrees wind direction, 85% humidity
BF	AA-1	8/5/2022	14:48	212549	90.3	305.539	29.2	98.897	030322-3	ND	#VALUE!		38262	0	23630	11	Y	N	Y	NA	NA	6.7mph, wind direction from 193 degrees, 57% humidity
BF	AA-2	8/5/2022	15:05	212549	89.8	305.261	29.2	98.897	030322-3	ND	#VALUE!		50747	164	31112	9	N	N	Y	NA	NA	17.9mph, wind direction from 198 degrees, 54% humidity
BF	AA-3	8/5/2022	15:21	212549	90.3	305.539	29.2	98.897	030322-3	ND	#VALUE!		15408	0	19626	30	N	N	Y	NA	NA	17.9mph, wind direction from 194 degrees, 57% humidity
BF	AA-4	8/5/2022	15:42	212549	89.8	305.261	29.2	98.897	030322-3	ND	#VALUE!		43774	0	23608	17	N	N	Y	NA	NA	20.1mph, wind direction from 96 degrees, 55% humidity
BF	AA-5	8/5/2022	15:58	212549	91.4	306.150	29.2	98.897	030322-3	ND	#VALUE!		50584	47	43237	16	N	N	Y	NA	NA	6.7mph, wind direction from 134 degrees, 51% humidity
BF		8/8/2022		212549	No morning samples taken; issues with VOCAM															NA	NA	
BF		8/8/2022		212549	No afternoon samples taken; issues with VOCAM															NA	NA	
BF	AA-1	8/9/2022	11:13	212549	74.1	296.539	29.2	98.897	030322-3	ND	#VALUE!		38262	0	23630	7	Y	N	Y	NA	NA	6.7mph, wind direction from 355 degrees, 77% humidity
BF	AA-2	8/9/2022	11:33	212549	74.3	296.650	29.2	98.897	030322-3	ND	#VALUE!		50747	68	31112	8	N	N	Y	NA	NA	0.0mph, wind direction from 355 degrees, 78% humidity
BF	AA-3	8/9/2022	11:51	212549	73.8	296.372	29.2	98.897	030322-3	ND	#VALUE!		15408	0	19626	0	N	N	Y	NA	NA	6.7mph, wind direction from 355 degrees, 78% humidity
BF	AA-4	8/9/2022	12:13	212549	73.2	296.039	29.2	98.897	030322-3	ND	#VALUE!		43774	0	23608	13	N	N	Y	NA	NA	8.9mph, wind direction from 355 degrees, 78% humidity
BF	AA-5	8/9/2022	12:28	212549	73.2	296.039	29.2	98.897	030322-3	ND	#VALUE!		50584	0	43237	16	N	N	Y	NA	NA	6.7mph, wind direction from 355 degrees, 79% humidity
BF	AA-1	8/9/2022	15:28	212549	75.2	297.150	29.2	98.897	030322-3	ND	#VALUE!		38262	0	23630	10	Y	N	Y	NA	NA	8.9mph, wind direction from 67 degrees, 76% humidity
BF	AA-2	8/9/2022	15:47	212549	74.7	296.872	29.2	98.897	030322-3	ND	#VALUE!		50747	116	31112	13	N	N	Y	NA	NA	8.9mph, wind direction from 120 degrees, 77% humidity
BF	AA-3	8/9/2022	16:03	212549	74.3	296.650	29.2	98.897	030322-3	ND	#VALUE!		15408	0	19626	32	N	N	Y	NA	NA	0.0mph, wind direction from 112 degrees, 78% humidity
BF	AA-4	8/9/2022	16:21	212549	74.3	296.650	29.2	98.897	030322-3	ND	#VALUE!		43774	0	23608	19	N	N	Y	NA	NA	8.9mph, wind direction from 90 degrees, 78% humidity
BF	AA-5	8/9/2022	16:39	212549	73.8	296.372	29.2	98.897	030322-3	ND	#VALUE!		50584	0	43237	20	N	N	Y	NA	NA	13.4mph, wind direction from 71 degrees, 80% humidity
BF	AA-1	8/10/2022	14:57	212549	83.3	301.650	29.3	99.236	022822-6	ND	#VALUE!		38262	18	23630	8	Y	N	Y	NA	NA	8.9mph, wind direction from 355 degrees, 46% humidity
BF	AA-2	8/10/2022	15:14	212549	84.4	302.261	29.3	99.236	022822-6	ND	#VALUE!		50747	230	31112	8	N	N	Y	NA	NA	17.9mph, wind direction from 355 degrees, 44% humidity
BF	AA-3	8/10/2022	15:42	212549	83.7	301.872	29.2	98.897	022822-6	ND	#VALUE!		15408	0	19626	26	N	N	Y	NA	NA	6.7mph, wind direction from 348 degrees, 47% humidity
BF	AA-4	8/10/2022	16:01	212549	84	302.039	29.2	98.897	022822-6	0.58	3.00		43774	0	23608	13	N	N	Y	AA-4(081022)	1.6	17.9mph, wind direction from 355 degrees, 45% humidity. Sample collected for laboratory analysis.
BF	AA-5	8/10/2022	17:01	212549	83.7	301.872	29.2	98.897	022822-6	ND	#VALUE!		50584	0	43237	14	Y	N	Y	NA	NA	17.9mph, wind direction from 355 degrees, 46% humidity
BF	AA-1	8/11/2022	10:41	212549	78.6	299.039	29.2	98.897	022822-6	ND	#VALUE!		38262	0	23630	19	Y	N	Y	NA	NA	13.4mph, wind from 303 degrees, 72% humidity
BF	AA-2	8/11/2022	10:55	212549	79.9	299.761	29.2	98.897	022822-6	ND	#VALUE!		50747	185	31112	17	N	N	Y	NA	NA	6.7mph, wind from 344 degrees, 70% humidity
BF	AA-3	8/11/2022	11:12	212549	81.3	300.539	29.3	99.236	022822-6	ND	#VALUE!		15408	0	19626	23	N	N	Y	NA	NA	8.9mph, wind from 350 degrees, 70% humidity
BF	AA-4	8/11/2022	11:27	212549	81.5	300.650	29.3	99.236	022822-6	ND	#VALUE!		43774	0	23608	25	N	N	Y	NA	NA	6.7mph, wind from 335 degrees, 66% humidity
BF	AA-5	8/11/2022	11:46	212549	81.7	300.761	29.3	99.236	022822-6	ND	#VALUE!		50584	0	43237	31	N	N	Y	NA	NA	6.7mph, wind from 349 degrees, 66% humidity
BF	AA-1	8/11/2022	14:26	212549	82.6	301.261	29.2	98.897	022822-6	ND	#VALUE!		38262	0	23630	18	Y	N	Y	NA	NA	26.8mph, wind from 13 degrees, 64% humidity
BF	AA-2	8/11/2022	14:57	212549	83.1	301.539	29.2	98.897	022822-6	ND	#VALUE!		50747	215	31112	17	Y	N	Y	NA	NA	17.9mph, wind from 12 degrees, 59% humidity
BF	AA-3	8/11/2022	15:38	212549	84.6	302.372	29.2	98.897	022822-6	0.21	1.09		15408	0	19626	23	Y	N	Y	NA	NA	26.8mph, wind from 13 degrees, 54% humidity
BF	AA-4	8/11/2022	16:15	212549	85.5	302.872	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	20	Y	N	Y	NA	NA	35.8mph, wind from 84 degrees, 51% humidity
BF	AA-5	8/11/2022	16:31	212549	85.1	302.650	29.2	98.897	022822-6	ND	#VALUE!		50584	0	43237	20	N	N	Y	NA	NA	17.9mph, wind from 38 degrees, 51% humidity
BF	AA-1	8/12/2022	9:26	212549	70.7	294.650	29.3	99.236	022822-6	ND	#VALUE!		38262	0	23630	5	Y	N	Y	NA	NA	17.9mph, wind from 87 degrees, 67% humidity
BF	AA-2	8/12/2022	9:39	212549	72.3	295.539	29.3	99.236	022822-6	ND	#VALUE!		50747	85	31112	4	N	N	Y	NA	NA	8.9mph, wind from 63 degrees, 62% humidity
BF	AA-3	8/12/2022	9:52	212549	72.3	295.539	29.3	99.236	022822-6	ND	#VALUE!		15408	0	19626	6	N	N	Y	NA	NA	20.1mph, wind from 66 degrees, 58% humidity
BF	AA-4	8/12/2022	10:08	212549	73.9	296.428	29.3	99.236	022822-6	ND	#VALUE!		43774	0	23608	9	N	N	Y	NA	NA	8.9mph, wind from 76 degrees, 54% humidity
BF	AA-5	8/12/2022	10:21	212549	72.5	295.650	29.3	99.236	022822-6	ND	#VALUE!		50584	14	43237	8	N	N	Y	NA	NA	8.9mph, wind from 17 degrees, 49% humidity
BF	AA-1	8/12/2022	13:31	212549	79	299.261	29.4	99.575	022822-6	ND	#VALUE!		38262	0	23630	4	Y	N	Y	NA	NA	17.9mph, wind from 52 degrees, 34% humidity
BF	AA-2	8/12/2022	13:59	212549	78.6	299.039	29.4	99.575	022822-6	ND	#VALUE!		50747	71	31112	4	Y	N	Y	NA	NA	13.4mph, wind from 15 degrees, 36% humidity
BF	AA-3	8/12/2022	14:15	212549	79.3	299.428	29.4	99.575	022822-6	ND	#VALUE!		15408	0	19626	9	N	N	Y	NA	NA	6.7mph, wind from 13 degrees, 38% humidity
BF	AA-4	8/12/2022	14:29	212549	79.7	299.650	29.4	99.575	022822-6	0.81	4.25		43774	0	23608	11	N	N	Y	NA	NA	6.7mph, wind from 18 degrees, 36% humidity. Lab sample not collected because excavation activities were getting ready to stop for the week. No additional excavation would be completed the following day.
BF	AA-4	8/12/2022	14:58	212549	79.7	299.650	29.4	99.575	022822-6	ND	#VALUE!		43774	0	23608	12	Y	N	Y	NA	NA	13.4mph, wind from 38 degrees, 36% humidity
BF	AA-5	8/12/2022	15:21	212549	79.5	299.539	29.3	99.236	022822-6	ND	#VALUE!		50584	0	43237	13	N	N	Y	NA	NA	8.9mph, wind from 40 degrees, 40% humidity

TABLE 2 - VOCAM Air Monitoring Log
RACER Trust - Kokomo, IN
Former GM Delco Plant 5
July 18, 2022 through September 22, 2022
CEASED USE OF VOCAM SEPT. 20, 2022

Sampler	Air Station	Date	Time	Weather Station ID	Temperature (Degrees F)	Temperature (K)	Pressure (mmHg)	Pressure (kPa)	VOCAM ID	TCE (ppbV)	Calculated TCE ¹ (µg/m3)	QC Flag	ppbRAE ID	PID (ppb)	DustTRAK ID	Dusts (ug/m ³)	Did you run blank before sample? (Y/N)	Did sample end early? (Y/N)	Unidentified Detections (Y/N)	Lab Sample ID	Lab Sample Results (ug/m3)	Observations During VOCAM Sample Collection
Detections are Bolded Exceedences are Shaded Gray										(from Pine)	NA	2.24	(from pine)	500	(from pine)	75						
BF	AA-1	8/15/2022	10:10	212549	70	294.261	29.1	98.559	022822-6	ND	#VALUE!		38262	0	23630	15	Y	N	Y	NA	NA	13.4mph, wind from 12 degrees, 80% humidity
BF	AA-2	8/15/2022	10:25	212549	70.3	294.428	29.1	98.559	022822-6	ND	#VALUE!		50747	200	31112	13	N	N	Y	NA	NA	17.9mph, wind from 16 degrees, 77% humidity
BF	AA-3	8/15/2022	10:38	212549	70.7	294.650	29.1	98.559	022822-6	ND	#VALUE!		15408	0	19626	37	N	N	Y	NA	NA	17.9mph, wind from 32 degrees, 77% humidity
BF	AA-4	8/15/2022	10:53	212549	72	295.372	29.1	98.559	022822-6	ND	#VALUE!		43774	0	23608	15	N	N	Y	NA	NA	8.9mph, wind from 87 degrees, 76% humidity
BF	AA-5	8/15/2022	11:27	212549	74.1	296.539	29.1	98.559	022822-6	ND	#VALUE!		50584	0	43237	16	Y	N	Y	NA	NA	24.6mph, wind from 86 degrees, 69% humidity
BF	AA-1	8/15/2022	13:55	212549	80.6	300.150	29.1	98.559	022822-6	ND	#VALUE!		38262	0	23630	13	Y	N	Y	NA	NA	35.8mph, wind from 90 degrees, 54% humidity
BF	AA-1	8/15/2022	14:35	212549	81.1	300.428	29.1	98.559	022822-6	ND	#VALUE!		38262	0	23630	13	Y	N	Y	NA	NA	17.9mph, wind from 13 degrees, 53% humidity
BF	AA-2	8/15/2022	14:52	212549	81.7	300.761	29.1	98.559	022822-6	ND	#VALUE!		50747	309	31112	13	N	N	Y	NA	NA	26.8mph, wind from 11 degrees, 52% humidity
BF	AA-3	8/15/2022	15:09	212549	82.2	301.039	29.1	98.559	022822-6	NA	NA		15408	3	19626	32	N	Y	Y	NA	NA	13.4mph, wind from 53 degrees, 50% humidity
BF	AA-3	8/15/2022	15:35	212549	82.2	301.039	29.1	98.559	022822-6	ND	#VALUE!		15408	0	19626	32	Y	N	Y	NA	NA	20.1mph, wind from 71 degrees, 49% humidity
BF	AA-4	8/15/2022	15:49	212549	81.7	300.761	29.1	98.559	022822-6	ND	#VALUE!		43774	0	23608	6	N	N	Y	NA	NA	13.4mph, wind from 13 degrees, 52% humidity
BF	AA-5	8/15/2022	16:10	212549	83.1	301.539	29.1	98.559	022822-6	ND	#VALUE!		50584	0	43237	19	N	N	Y	NA	NA	8.9mph, wind from 30 degrees, 52% humidity
BF	AA-1	8/16/2022	9:59	212549	74.3	296.650	29.2	98.897	022822-6	ND	#VALUE!		38262	0	23630	13	Y	N	Y	NA	NA	8.9mph, wind from 71 degrees, 63% humidity
BF	AA-2	8/16/2022	10:11	212549	74.8	296.928	29.2	98.897	022822-6	ND	#VALUE!		50747	180	31112	12	N	N	Y	NA	NA	2.2mph, wind from 14 degrees, 61% humidity
BF	AA-3	8/16/2022	10:26	212549	75.6	297.372	29.2	98.897	022822-6	ND	#VALUE!		15408	0	19626	19	N	N	Y	NA	NA	8.9mph, wind from 42 degrees, 61% humidity
BF	AA-4	8/16/2022	10:43	212549	77	298.150	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	18	N	N	Y	NA	NA	13.4mph, wind from 9 degrees, 58% humidity
BF	AA-5	8/16/2022	11:04	212549	77.4	298.372	29.2	98.897	022822-6	ND	#VALUE!		50584	0	43237	22	N	N	Y	NA	NA	6.7mph, wind from 28 degrees, 59% humidity
BF	AA-1	8/16/2022	14:16	212549	83.7	301.872	29.2	98.897	022822-6	ND	#VALUE!		38262	10	23630	11	Y	N	Y	NA	NA	2.2mph, wind from 51 degrees, 42% humidity
BF	AA-2	8/16/2022	14:33	212549	84.4	302.261	29.2	98.897	022822-6	ND	#VALUE!		50747	77	31112	5	N	N	Y	NA	NA	13.4mph, wind from 17 degrees, 39% humidity
BF	AA-3	8/16/2022	14:50	212549	84.4	302.261	29.2	98.897	022822-6	ND	#VALUE!		15408	0	19626	20	N	N	Y	NA	NA	17.9mph, wind from 306 degrees, 38% humidity
BF	AA-4	8/16/2022	15:05	212549	83.5	301.761	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	21	N	N	Y	NA	NA	8.9mph, wind from 360 degrees, 38% humidity
BF	AA-5	8/16/2022	15:22	212549	82	300.928	29.2	98.897	022822-6	ND	#VALUE!		50584	0	43237	21	N	N	Y	NA	NA	13.4mph, wind from 10 degrees, 41% humidity
BF	AA-1	8/17/2022	10:13	212549	75.4	297.261	29.2	98.897	022822-6	ND	#VALUE!		38262	0	23630	11	Y	N	Y	NA	NA	35.8mph, wind from 14 degrees, 68% humidity
BF	AA-2	8/17/2022	10:36	212549	77	298.150	29.2	98.897	022822-6	ND	#VALUE!		50747	0	31112	7	N	N	Y	NA	NA	13.4mph, wind from 66 degrees, 63% humidity
BF	AA-3	8/17/2022	10:50	212549	77.9	298.650	29.2	98.897	022822-6	ND	#VALUE!		15408	0	19626	13	N	N	Y	NA	NA	13.4mph, wind from 65 degrees, 63% humidity
BF	AA-4	8/17/2022	11:09	212549	78.8	299.150	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	12	N	N	Y	NA	NA	17.9mph, wind from 80 degrees, 58% humidity
BF	AA-5	8/17/2022	11:31	212549	79.3	299.428	29.2	98.897	022822-6	ND	#VALUE!		50584	0	43237	15	N	N	Y	NA	NA	13.4mph, wind from 10 degrees, 57% humidity
BF	AA-1	8/17/2022	14:28	212549	82.6	301.261	29.2	98.897	022822-6	ND	#VALUE!		38262	0	23630	52	Y	N	Y	NA	NA	26.8mph, wind from 103 degrees, 46% humidity
BF	AA-2	8/17/2022	14:44	212549	82	300.928	29.2	98.897	022822-6	ND	#VALUE!		50747	9	31112	17	N	N	Y	NA	NA	8.9mph, wind from 355 degrees, 46% humidity
BF	AA-3	8/17/2022	15:01	212549	84.2	302.150	29.2	98.897	022822-6	ND	#VALUE!		15408	0	19626	17	N	N	Y	NA	NA	2.2mph, wind from 87 degrees, 44% humidity
BF	AA-4	8/17/2022	15:19	212549	81.9	300.872	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	22	N	N	Y	NA	NA	8.9mph, wind from 17 degrees, 46% humidity
BF	AA-5	8/17/2022	15:49	212549	84.4	302.261	29.2	98.897	022822-6	ND	#VALUE!		50584	0	43237	18	Y	N	Y	NA	NA	24.6mph, wind from 9 degrees, 42% humidity
BF	AA-1	8/18/2022	No excavation/soil handling; No sampling completed																			
BF	AA-2	8/18/2022	No excavation/soil handling; No sampling completed																			
BF	AA-3	8/18/2022	No excavation/soil handling; No sampling completed																			
BF	AA-4	8/18/2022	No excavation/soil handling; No sampling completed																			
BF	AA-5	8/18/2022	No excavation/soil handling; No sampling completed																			
BF	AA-1	8/19/2022	No excavation/soil handling; No sampling completed																			
BF	AA-2	8/19/2022	No excavation/soil handling; No sampling completed																			
BF	AA-3	8/19/2022	No excavation/soil handling; No sampling completed																			
BF	AA-4	8/19/2022	No excavation/soil handling; No sampling completed																			
BF	AA-5	8/19/2022	No excavation/soil handling; No sampling completed																			
FSS	AA-1	8/22/2022	10:36	212549	69.4	293.928	29.2	98.897	022822-6	ND	#VALUE!		38262	0	23630	20	Y	N	N	NA	NA	6.7mph, wind from 355 degrees, 88% humidity
FSS	AA-2	8/22/2022	10:50	212549	69.8	294.150	29.2	98.897	022822-6	ND	#VALUE!		50747	66	31112	20	N	N	Y	NA	NA	8.9mph, wind from 355 degrees, 88% humidity
FSS	AA-3	8/22/2022	11:09	212549	70.9	294.761	29.2	98.897	022822-6	ND	#VALUE!		15408	0	19626	41	N	N	Y	NA	NA	6.7mph, wind from 355 degrees, 87% humidity
FSS	AA-4	8/22/2022	11:54	212549	75.7	297.428	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	20	Y	N	Y	NA	NA	8.9mph, wind from 355 degrees, 74% humidity
FSS	AA-5	8/22/2022	12:11	212549	75.0	297.039	29.2	98.897	022822-6	ND	#VALUE!		50584	0	43237	24	N	N	Y	NA	NA	8.9mph, wind from 355 degrees, 75% humidity
FSS	AA-1	8/22/2022	15:53	212549	83.3	301.650	29.1	98.559	022822-6	ND	#VALUE!		38262	0	23630	14	Y	N	Y	NA	NA	8.9mph, wind from 355 degrees, 56% humidity
FSS	AA-2	8/22/2022	16:11	212549	82.8	301.372	29.1	98.559	022822-6	ND	#VALUE!		50747	284	31112	16	N	N	Y	NA	NA	0.0mph, wind from 355 degrees, 56% humidity
FSS	AA-3	8/22/2022	16:25	212549	82.8	301.372	29.1	98.559	022822-6	ND	#VALUE!		15408	0	19626	37	N	N	Y	NA	NA	0.0mph, wind from 355 degrees, 56% humidity
FSS	AA-3	8/22/2022	16:52	212549	82.8	301.372	29.1	98.559	022822-6	ND	#VALUE!		15408	0	19626	35	Y	N	Y	NA	NA	17.9mph, wind from 355 degrees, 50% humidity
FSS	AA-4	8/22/2022	17:12	212549	83.3	301.650	29.1	98.559	022822-6	ND	#VALUE!		43774	0	23608	19	N	N	Y	NA	NA	26.8mph, wind from 355 degrees, 53% humidity
FSS	AA-5	8/22/2022	17:36	212549	82.4	301.150	29.1	98.559	022822-6	ND	#VALUE!		50584	0	43237	21	N	N	Y	NA	NA	13.4mph, wind from 323 degrees, 55% humidity

TABLE 2 - VOCAM Air Monitoring Log
RACER Trust - Kokomo, IN
Former GM Delco Plant 5
July 18, 2022 through September 22, 2022
CEASED USE OF VOCAM SEPT. 20, 2022

Sampler	Air Station	Date	Time	Weather Station ID	Temperature (Degrees F)	Temperature (K)	Pressure ("Hg)	Pressure (kPa)	VOCAM ID	TCE (ppbV)	Calculated TCE ¹ (ug/m3)	QC Flag	ppbRAE ID	PID (ppb)	DustTRAK ID	Dusts (ug/m ³)	Did you run blank before sample? (Y/N)	Did sample end early? (Y/N)	Unidentified Detections (Y/N)	Lab Sample ID	Lab Sample Results (ug/m3)	Observations During VOCAM Sample Collection
Detections are Bolded Exceedences are Shaded Gray										(from Pine)	NA	2.24	(from pine)	500	(from pine)	75						
FSS	AA-1	8/23/2022	8:50	212549	67.3	292.761	29.1	98.559	022822-6	ND	#VALUE!		38262	0	23630	17	Y	N	Y	NA	NA	6.7mph, wind from 355 degrees, 78% humidity
FSS	AA-2	8/23/2022	9:06	212549	68.5	293.428	29.1	98.559	022822-6	ND	#VALUE!		50747	25	31112	13	N	N	Y	NA	NA	8.9mph, wind from 355 degrees, 77% humidity
FSS	AA-3	8/23/2022	9:28	212549	70.7	294.650	29.1	98.559	022822-6	ND	#VALUE!		15588	0	19626	15	N	N	Y	NA	NA	8.9mph, wind from 355 degrees, 70% humidity
FSS	AA-4	8/23/2022	9:45	212549	71.4	295.039	29.1	98.559	022822-6	ND	#VALUE!		43774	0	23608	16	N	N	Y	NA	NA	13.4mph, wind from 355 degrees, 67% humidity
FSS	AA-4	8/23/2022	10:27	212549	73.6	296.261	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	14	Y	N	Y	NA	NA	24.6mph, wind from 278 degrees, 63% humidity
FSS	AA-5	8/23/2022	10:59	212549	75.2	297.150	29.2	98.897	022822-6	ND	#VALUE!		50584	0	43237	15	Y	N	Y	NA	NA	8.9mph, wind from 285 degrees, 57% humidity
FSS	AA-1	8/23/2022	14:12	212549	82.0	300.928	29.2	98.897	022822-6	ND	#VALUE!		38262	0	23630	14	Y	N	Y	AA-1 (08232022)	NA	20.1mph, wind from 317 degrees, 48% humidity
FSS	AA-2	8/23/2022	14:27	212549	80.6	300.150	29.1	98.559	022822-6	ND	#VALUE!		50747	121	31112	13	N	N	N	AA-2 (08232022)	NA	20.1mph, wind from 355 degrees, 50% humidity
FSS	AA-3	8/23/2022	14:42	212549	82.0	300.928	29.1	98.559	022822-6	ND	#VALUE!		15588	0	19626	17	N	N	N	AA-3 (08232022)	NA	13.4mph, wind from 313 degrees, 46% humidity
FSS	AA-4	8/23/2022	14:56	212549	81.7	300.761	29.1	98.559	022822-6	ND	#VALUE!		43774	0	23608	18	N	N	Y	AA-4 (08232022)	NA	20.1mph, wind from 320 degrees, 47% humidity
FSS	AA-5	8/23/2022	15:31	212549	80.6	300.150	29.1	98.559	022822-6	ND	#VALUE!		50584	0	43237	21	N	N	Y	AA-5 (08232022)	NA	17.9mph, wind from 300 degrees, 49% humidity
FSS	AA-1	8/24/2022	8:50	212549	70.2	294.372	29.2	98.897	022822-6	ND	#VALUE!		38262	0	23630	23	Y	N	Y	AA-1 (08242022)	NA	6.7mph, wind from 318 degrees, 76% humidity
FSS	AA-2	8/24/2022	9:04	212549	72.1	295.428	29.2	98.897	022822-6	ND	#VALUE!		50747	229	31112	19	N	N	Y	AA-2 (08232022)	NA	8.9mph, wind from 344 degrees, 73% humidity
FSS	AA-3	8/24/2022	9:20	212549	73.6	296.261	29.2	98.897	022822-6	ND	#VALUE!		15588	0	19626	30	N	N	Y	AA-3 (08232022)	NA	0.0mph, wind from 311 degrees, 70% humidity
FSS	AA-4	8/24/2022	9:34	212549	75.2	297.150	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	20	N	N	N	AA-4 (08232022)	NA	2.2mph, wind from 344 degrees, 66% humidity
FSS	AA-5	8/24/2022	10:21	212549	77.2	298.261	29.2	98.897	022822-6	ND	#VALUE!		50584	9	43237	18	Y	N	Y	AA-5 (08232022)	NA	6.7mph, wind from 349 degrees, 58% humidity
FSS	AA-1	8/24/2022	14:16	212549	84.7	302.428	29.2	98.897	022822-6	ND	#VALUE!		38262	0	23630	16	Y	N	Y	AA-1 (08242022)	NA	8.9mph, wind from 5 degrees, 41% humidity
FSS	AA-2	8/24/2022	14:31	212549	86.2	303.261	29.2	98.897	022822-6	ND	#VALUE!		50747	238	31112	14	N	N	N	AA-2 (08242022)	NA	17.9mph, wind from 5 degrees, 41% humidity
FSS	AA-3	8/24/2022	14:46	212549	86.7	303.539	29.2	98.897	022822-6	ND	#VALUE!		15588	0	19626	19	N	N	N	AA-3 (08242022)	NA	17.9mph, wind from 5 degrees, 38% humidity
FSS	AA-4	8/24/2022	15:01	212549	84.7	302.428	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	6	N	N	N	AA-4 (08242022)	NA	6.7mph, wind from 13 degrees, 39% humidity
FSS	AA-5	8/24/2022	15:17	212549	85.5	302.872	29.2	98.897	022822-6	ND	#VALUE!		50584	0	43237	22	N	N	N	AA-5 (08242022)	NA	6.7mph, wind from 13 degrees, 39% humidity
FSS	AA-1	8/25/2022	10:02	212549	78.1	298.761	29.2	98.897	022822-6	ND	#VALUE!		38262	32	23630	16	Y	N	N	AA-1 (08242022)	NA	13.4mph, wind from 196 degrees, 58% humidity
FSS	AA-2	8/25/2022	10:25	212549	79.3	299.428	29.2	98.897	022822-6	ND	#VALUE!		50747	253	31112	16	N	N	Y	AA-2 (08242022)	NA	24.6mph, wind from 197 degrees, 55% humidity
FSS	AA-2	8/25/2022	11:00	212549	78.8	299.150	29.2	98.897	022822-6	ND	#VALUE!		50747	228	31112	13	Y	N	Y	AA-2 (08242022)	NA	8.9mph, wind from 232 degrees, 57% humidity
FSS	AA-3	8/25/2022	11:21	212549	80.2	299.928	29.2	98.897	022822-6	ND	#VALUE!		15588	0	19626	19	N	N	N	AA-3 (08242022)	NA	17.9mph, wind from 250 degrees, 55% humidity
FSS	AA-4	8/25/2022	11:42	212549	80.4	300.039	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	23	N	N	N	AA-4 (08242022)	NA	20.1mph, wind from 197 degrees, 57% humidity
FSS	AA-5	8/25/2022	12:05	212549	82.6	301.261	29.2	98.897	022822-6	ND	#VALUE!		50584	0	43237	19	N	N	N	AA-5 (08242022)	NA	26.8mph, wind from 248 degrees, 48% humidity
FSS	AA-1	8/25/2022	14:20	212549	83.7	301.872	29.2	98.897	022822-6	ND	#VALUE!		38262	34	23630	14	Y	N	Y	AA-1 (08252022)	NA	42.5mph, wind from 192 degrees, 48% humidity
FSS	AA-2	8/25/2022	14:35	212549	82.4	301.150	29.2	98.897	022822-6	ND	#VALUE!		50747	268	31112	23	N	N	Y	AA-2 (08252022)	NA	26.8mph, wind from 198 degrees, 49% humidity
FSS	AA-3	8/25/2022	14:50	212549	80.6	300.150	29.2	98.897	022822-6	ND	#VALUE!		15588	0	19626	20	N	N	Y	AA-3 (08252022)	NA	35.8mph, wind from 180 degrees, 53% humidity
FSS	AA-4	8/25/2022	15:05	212549	80.7	300.206	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	21	N	N	Y	AA-4 (08252022)	NA	6.7mph, wind from 257 degrees, 55% humidity
FSS	AA-5	8/25/2022	15:22	212549	81.5	300.650	29.2	98.897	022822-6	ND	#VALUE!		50584	0	43237	20	N	N	Y	AA-5 (08252022)	NA	8.9mph, wind from 221 degrees, 55% humidity
FSS	AA-1	8/26/2022	9:46	212549	74.5	296.761	29.2	98.897	022822-6	ND	#VALUE!		38262	0	23630	13	Y	N	Y	AA-1 (08252022)	NA	13.4mph, wind from 344 degrees, 78% humidity
FSS	AA-2	8/26/2022	10:00	212549	75.4	297.261	29.2	98.897	022822-6	ND	#VALUE!		50747	0	31112	10	N	N	N	AA-2 (08252022)	NA	20.1mph, wind from 355 degrees, 75% humidity
FSS	AA-3	8/26/2022	10:15	212549	75.7	297.428	29.2	98.897	022822-6	ND	#VALUE!		15588	0	19626	19	N	N	Y	AA-3 (08252022)	NA	20.1mph, wind from 355 degrees, 73% humidity
FSS	AA-4	8/26/2022	10:29	212549	76.6	297.928	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	13	N	N	N	AA-4 (08252022)	NA	8.9mph, wind from 355 degrees, 71% humidity
FSS	AA-5	8/26/2022	10:45	212549	77.2	298.261	29.2	98.897	022822-6	ND	#VALUE!		50584	0	43237	12	N	N	Y	AA-5 (08252022)	NA	26.8mph, wind from 9 degrees, 69% humidity
FSS	AA-1	8/26/2022	13:51	212549	82.6	301.261	29.2	98.897	022822-6	ND	#VALUE!		38262	0	23630	6	Y	N	Y	NA	NA	13.4mph, wind from 351 degrees, 55% humidity
FSS	AA-2	8/26/2022	14:08	212549	81.7	300.761	29.2	98.897	022822-6	ND	#VALUE!		50747	0	31112	8	N	N	N	NA	NA	8.9mph, wind from 321 degrees, 56% humidity
FSS	AA-3	8/26/2022	14:24	212549	80.8	300.261	29.2	98.897	022822-6	ND	#VALUE!		15588	0	19626	20	N	N	N	NA	NA	17.9mph, wind from 355 degrees, 58% humidity
FSS	AA-4	8/26/2022	14:40	212549	81.1	300.428	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	12	N	Y	N	NA	NA	8.9mph, wind from 355 degrees, 57% humidity
FSS	AA-4	8/26/2022	14:56	212549	82.0	300.928	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	12	Y	N	N	NA	NA	6.7mph, wind from 360 degrees, 56% humidity
FSS	AA-5	8/26/2022	15:12	212549	82.6	301.261	29.2	98.897	022822-6	ND	#VALUE!		50584	0	43237	13	N	N	N	NA	NA	6.7mph, wind from 360 degrees, 53% humidity
FSS	AA-1	8/29/2022	9:58	212549	82.6	301.261	29.1	98.559	022822-6	ND	#VALUE!		38262	0	23630	16	Y	N	Y	AA-1 (08292022)	NA	38mph, wind from 176 degrees, 77% humidity
FSS	AA-2	8/29/2022	10:13	212549	83.5	301.761	29.1	98.559	022822-6	ND	#VALUE!		50747	0	31112	15	N	N	N	AA-2 (08292022)	NA	38mph, wind from 197 degrees, 76% humidity
FSS	AA-3	8/29/2022	10:27	212549	84.2	302.150	29.1	98.559	022822-6	ND	#VALUE!		15588	0	19626	36	N	N	Y	AA-3 (08292022)	NA	31.3mph, wind from 231 degrees, 76% humidity
FSS	AA-4	8/29/2022	10:42	212549	84.9	302.539	29.1	98.559	022822-6	ND	#VALUE!		43774	0	23608	17	N	N	Y	AA-4 (08292022)	NA	20.1mph, wind from 203 degrees, 74% humidity
FSS	AA-5	8/29/2022	10:59	212549	85.3	302.761	29.1	98.559	022822-6	ND	#VALUE!		50584	0	43237	24	N	N	N	AA-5 (08292022)	NA	26.8mph, wind from 207 degrees, 73% humidity
FSS	AA-1	8/29/2022	14:17	212549	89.8	305.261	29.0	98.220	022822-6	ND	#VALUE!		38262	0	23630	20	Y	N	Y	AA-1 (08292022)	NA	35.8mph, wind from 201 degrees, 65% humidity
FSS	AA-2	8/29/2022	14:38	212549	91.0	305.928	29.0	98.220	022822-6	ND	#VALUE!		50747	0	31112	21	N	N	N	AA-2 (08292022)	NA	35.8mph, wind from 211 degrees, 63% humidity
FSS	AA-3	8/29/2022	14:53	212549	90.7	305.761	29.0	98.220	022822-6	ND	#VALUE!		15588	0	19626	61	N	N	N	AA-3 (08292022)	NA	38mph, wind from 213 degrees, 63% humidity
FSS	AA-4	8/29/2022	15:08	212549	91.2	306.039	29.0	98.220	022822-6	ND	#VALUE!		43774	0	23608	22	N	N	N	AA-4 (08292022)	NA	24.6mph, wind from 217 degrees, 63% humidity
FSS	AA-5	8/29/2022	15:24	212549	90.3	305.539	29.0	98.220	022822-6	ND	#VALUE!		50584	0	43237	29	N	N	N	AA-5 (08292022)	NA	20.1mph, wind from 241 degrees, 64% humidity

TABLE 2 - VOCAM Air Monitoring Log
RACER Trust - Kokomo, IN
Former GM Delco Plant 5
July 18, 2022 through September 22, 2022
CEASED USE OF VOCAM SEPT. 20, 2022

Sampler	Air Station	Date	Time	Weather Station ID	Temperature (Degrees F)	Temperature (K)	Pressure (”Hg)	Pressure (kPa)	VOCAM ID	TCE (ppbV)	Calculated TCE ¹ (ug/m3)	QC Flag	ppbRAE ID	PID (ppb)	DustTRAK ID	Dusts (ug/m ³)	Did you run blank before sample? (Y/N)	Did sample end early? (Y/N)	Unidentified Detections (Y/N)	Lab Sample ID	Lab Sample Results (ug/m3)	Observations During VOCAM Sample Collection
Detections are Bolded Exceedences are Shaded Gray													(from pine)	500	(from pine)	75						
FSS	AA-1	8/30/2022	9:27	212549	71.8	295.261	29.1	98.559	022822-6	ND	#VALUE!		38262	0	23630	9	Y	N	N	AA-1 (08302022)	NA	31.3mph, wind from 272 degrees, 86% humidity
FSS	AA-2	8/30/2022	9:40	212549	71.8	295.261	29.1	98.559	022822-6	ND	#VALUE!		50747	0	31112	8	N	N	Y	AA-2 (08302022)	NA	42.5mph, wind from 257 degrees, 85% humidity
FSS	AA-2	8/30/2022	10:25	212549	74.7	296.872	29.1	98.559	022822-6	ND	#VALUE!		50747	0	31112	7	Y	N	Y	AA-2 (08302022)	NA	17.9mph, wind from 244 degrees, 78% humidity
FSS	AA-3	8/30/2022	10:48	212549	76.1	297.650	29.1	98.559	022822-6	ND	#VALUE!		15588	0	19626	19	N	N	Y	AA-3 (08302022)	NA	31.3mph, wind from 300 degrees, 73% humidity
FSS	AA-4	8/30/2022	11:11	212549	77.2	298.261	29.1	98.559	022822-6	ND	#VALUE!		43774	0	23608	10	N	N	Y	AA-4 (08302022)	NA	20.1mph, wind from 261 degrees, 69% humidity
FSS	AA-5	8/30/2022	11:30	212549	77.7	298.539	29.1	98.559	022822-6	ND	#VALUE!		50584	0	43237	13	N	N	N	AA-5 (08302022)	NA	35.8mph, wind from 250 degrees, 67% humidity
FSS	AA-1	8/30/2022	13:11	212549	80.8	300.261	29.1	98.559	022822-6	ND	#VALUE!		38262	0	23630	12	Y	N	Y	AA-1 (08302022)	NA	24.6mph, wind from 269 degrees, 54% humidity
FSS	AA-2	8/30/2022	14:17	212549	82.6	301.261	29.1	98.559	022822-6	ND	#VALUE!		50747	0	31112	14	Y	N	Y	AA-2 (08302022)	NA	38mph, wind from 265 degrees, 44% humidity
FSS	AA-3	8/30/2022	14:31	212549	82.4	301.150	29.1	98.559	022822-6	ND	#VALUE!		15588	0	19626	24	N	N	N	AA-3 (08302022)	NA	42.5mph, wind from 298 degrees, 41% humidity
FSS	AA-4	8/30/2022	14:46	212549	82.6	301.261	29.1	98.559	022822-6	ND	#VALUE!		43774	0	23608	13	N	N	N	AA-4 (08302022)	NA	35.8mph, wind from 261 degrees, 45% humidity
FSS	AA-5	8/30/2022	15:02	212549	82.2	301.039	29.1	98.559	022822-6	ND	#VALUE!		50584	0	43237	20	N	N	N	AA-5 (08302022)	NA	31.3mph, wind from 269 degrees, 45% humidity
FSS	AA-1	8/31/2022	9:52	212549	68.7	293.539	29.2	98.897	022822-6	ND	#VALUE!		38262	0	23630	15	Y	N	Y	NA	NA	17.9mph, wind from 288 degrees, 72% humidity
FSS	AA-2	8/31/2022	10:07	212549	69.8	294.150	29.2	98.897	022822-6	ND	#VALUE!		50747	0	31112	14	N	N	Y	NA	NA	8.9mph, wind from 282 degrees, 71% humidity
FSS	AA-3	8/31/2022	10:22	212549	70.7	294.650	29.2	98.897	022822-6	ND	#VALUE!		15588	0	19626	14	N	N	Y	NA	NA	20.1mph, wind from 278 degrees, 68% humidity
FSS	AA-4	8/31/2022	10:37	212549	72.1	295.428	29.2	98.897	022822-6	ND	#VALUE!		43774	0	23608	15	N	N	Y	NA	NA	17.9mph, wind from 306 degrees, 67% humidity
FSS	AA-5	8/31/2022	10:58	212549	73.4	296.150	29.2	98.897	022822-6	ND	#VALUE!		50584	0	43237	16	N	N	Y	NA	NA	13.4mph, wind from 302 degrees, 64% humidity
FSS	AA-1	8/31/2022	16:14	212549	82.0	300.928	29.2	98.897	VOCAM-018	ND	#VALUE!		38262	0	23630	15	Y	N	Y	NA	NA	13.4mph, wind from 281 degrees, 45% humidity
FSS	AA-2	8/31/2022	17:06	212549	82.4	301.150	29.2	98.897	VOCAM-018	ND	#VALUE!		50747	0	31112	13	Y	N	Y	NA	NA	24.6mph, wind from 251 degrees, 47% humidity
FSS	AA-1	9/1/2022	9:48	212549	76.6	297.928	29.2	98.897	VOCAM-018	ND	#VALUE!		38262	0	23630	13	Y	N	Y	NA	NA	8.9mph, wind from 298 degrees, 66% humidity
FSS	AA-2	9/1/2022	10:05	212549	77.9	298.650	29.2	98.897	VOCAM-018	ND	#VALUE!		50747	0	31112	13	N	N	Y	NA	NA	8.9mph, wind from 282 degrees, 67% humidity
FSS	AA-3	9/1/2022	10:30	212549	79.5	299.539	29.2	98.897	VOCAM-018	ND	#VALUE!		15588	0	19626	16	N	N	Y	NA	NA	13.4mph, wind from 275 degrees, 61% humidity
FSS	AA-4	9/1/2022	10:46	212549	80.4	300.039	29.2	98.897	VOCAM-018	ND	#VALUE!		43774	0	23608	16	N	N	Y	NA	NA	13.4mph, wind from 281 degrees, 61% humidity
FSS	AA-5	9/1/2022	11:03	212549	81.5	300.650	29.2	98.897	VOCAM-018	ND	#VALUE!		50584	0	43237	17	N	N	Y	NA	NA	13.4mph, wind from 263 degrees, 58% humidity
FSS	AA-1	9/1/2022	13:02	212549	86.0	303.150	29.2	98.897	VOCAM-018	ND	#VALUE!		38262	0	23630	9	Y	N	Y	NA	NA	20.1mph, wind from 273 degrees, 50% humidity
FSS	AA-2	9/1/2022	13:18	212549	86.2	303.261	29.2	98.897	VOCAM-018	ND	#VALUE!		50747	0	31112	11	N	N	Y	NA	NA	8.9mph, wind from 279 degrees, 45% humidity
FSS	AA-3	9/1/2022	13:40	212549	85.6	302.928	29.2	98.897	VOCAM-018	ND	#VALUE!		15588	0	19626	18	N	N	Y	NA	NA	13.4mph, wind from 210 degrees, 49% humidity
FSS	AA-4	9/1/2022	13:55	212549	86.2	303.261	29.2	98.897	VOCAM-018	ND	#VALUE!		43774	0	23608	15	N	N	Y	NA	NA	17.9mph, wind from 213 degrees, 50% humidity
FSS	AA-5	9/1/2022	14:15	212549	86.4	303.372	29.2	98.897	VOCAM-018	ND	#VALUE!		50584	0	43237	17	N	N	Y	NA	NA	20.1mph, wind from 280 degrees, 45% humidity
FSS	AA-5	9/1/2022	14:58	212549	86.2	303.261	29.2	98.897	VOCAM-018	ND	#VALUE!		50584	0	43237	16	Y	N	Y	NA	NA	24.6mph, wind from 257 degrees, 43% humidity
FSS	AA-1	9/2/2022	9:22	212549	77.5	298.428	29.2	98.897	VOCAM-018	ND	#VALUE!		38262	0	23630	17	Y	Y	Y	NA	NA	2.2mph, wind from 348 degrees, 69% humidity
FSS	AA-2	9/2/2022	9:36	212549	77.9	298.650	29.2	98.897	VOCAM-018	ND	#VALUE!		50747	0	31112	20	N	N	Y	NA	NA	6.7mph, wind from 348 degrees, 67% humidity
FSS	AA-3	9/2/2022	9:53	212549	79.0	299.261	29.2	98.897	VOCAM-018	ND	#VALUE!		15588	0	19626	24	N	N	Y	NA	NA	2.2mph, wind from 97 degrees, 65% humidity
FSS	AA-4	9/2/2022	10:08	212549	81.3	300.539	29.2	98.897	VOCAM-018	ND	#VALUE!		43774	0	23608	19	N	N	Y	NA	NA	8.9mph, wind from 119 degrees, 60% humidity
FSS	AA-5	9/2/2022	10:26	212549	82.4	301.150	29.2	98.897	VOCAM-018	ND	#VALUE!		50584	0	43237	20	N	N	Y	NA	NA	6.7mph, wind from 90 degrees, 59% humidity
FSS	AA-1	9/2/2022	12:32	212549	84.2	302.150	29.2	98.897	VOCAM-018	ND	#VALUE!		38262	0	23630	10	Y	N	Y	NA	NA	6.7mph, wind from 136 degrees, 51% humidity
FSS	AA-2	9/2/2022	12:49	212549	84.2	302.150	29.2	98.897	VOCAM-018	ND	#VALUE!		50747	0	31112	12	N	N	Y	NA	NA	31.3mph, wind from 175 degrees, 52% humidity
FSS	AA-1	9/7/2022	9:34	212549	73.9	296.428	29.3	99.236	VOCAM-018	ND	#VALUE!		38262	0	23630	17	Y	N	Y	AA-1(09072022)	1.5	6.7mph, wind from 13 degrees, 75% humidity
FSS	AA-2	9/7/2022	9:48	212549	73.6	296.261	29.3	99.236	VOCAM-018	ND	#VALUE!		50747	0	31112	16	N	N	Y	AA-2(09072022)	4.9	8.9mph, wind from 13 degrees, 75% humidity
FSS	AA-3	9/7/2022	10:02	212549	74.5	296.761	29.3	99.236	VOCAM-018	ND	#VALUE!		15588	0	19626	41	N	N	Y	AA-3(09072022)	21.3	6.7mph, wind from 12 degrees, 73% humidity
FSS	AA-4	9/7/2022	10:19	212549	74.5	296.761	29.3	99.236	VOCAM-018	ND	#VALUE!		43774	0	23608	21	N	N	Y	AA-4(09072022)	103	2.2mph, wind from 12 degrees, 73% humidity
FSS	AA-5	9/7/2022	10:38	212549	75.2	297.150	29.3	99.236	VOCAM-018	ND	#VALUE!		50584	0	43237	19	N	N	Y	AA-5(09072022)	ND	24.6mph, wind from 12 degrees, 70% humidity
FSS	AA-4	9/7/2022	11:06	212549	75.9	297.539	29.3	99.236	VOCAM-018	113.07	595.99		43774	21	23608	15	N	N	Y	AA-4(09072022)	103	17.9mph, wind from 350 degrees, 67% humidity
FSS	AA-1	9/8/2022	9:33	212549	73.2	296.039	29.2	98.897	VOCAM-018	ND	#VALUE!		38262	0	23630	15	Y	N	Y	AA-1(09072022)	1.5	2.2mph, wind from 349 degrees, 63% humidity
FSS	AA-2	9/8/2022	9:49	212549	74.1	296.539	29.2	98.897	VOCAM-018	ND	#VALUE!		50747	0	31112	10	N	N	Y	AA-2(09072022)	4.9	0.0mph, wind from 350 degrees, 62% humidity
FSS	AA-2	9/8/2022	10:48	212549	76.8	298.039	29.2	98.897	VOCAM-018	ND	#VALUE!		50747	0	31112	11	Y	N	Y			8.9mph, wind from 350 degrees, 57% humidity
FSS	AA-4	9/8/2022	11:04	212549	78.3	298.872	29.2	98.897	VOCAM-018	ND	#VALUE!		43774	0	23608	19	N	N	Y	AA-4(09072022)	103.0	8.9mph, wind from 355 degrees, 53% humidity
FSS	AA-1	9/8/2022	14:49	212549	84.0	302.039	29.1	98.559	VOCAM-018	ND	#VALUE!		38262	0	23630	6	Y	N	Y	AA-1(09082022)	ND	8.9mph, wind from 14 degrees, 30% humidity
FSS	AA-2	9/8/2022	17:01	212549	86.7	303.539	29.1	98.559	VOCAM-018	ND	#VALUE!		43774	0	23608	8	Y	N	Y	AA-2(09082022)	ND	13.4mph, wind from 16 degrees, 30% humidity

TABLE 2 - VOCAM Air Monitoring Log
RACER Trust - Kokomo, IN
Former GM Delco Plant 5
July 18, 2022 through September 22, 2022
CEASED USE OF VOCAM SEPT. 20, 2022

Sampler	Air Station	Date	Time	Weather Station ID	Temperature (Degrees F)	Temperature (K)	Pressure (”Hg)	Pressure (kPa)	VOCAM ID	TCE (ppbV)	Calculated TCE ¹ (ug/m3)	QC Flag	ppbRAE ID	PID (ppb)	DustTRAK ID	Dusts (ug/m ³)	Did you run blank before sample? (Y/N)	Did sample end early? (Y/N)	Unidentified Detections (Y/N)	Lab Sample ID	Lab Sample Results (ug/m3)	Observations During VOCAM Sample Collection
Detections are Bolded Exceedences are Shaded Gray										(from Pine)	NA	2.24	(from pine)	500	(from pine)	75						
FSS	AA-1	9/9/2022	10:22	212549	78.6	299.039	29.1	98.559	VOCAM-018	ND	#VALUE!		38262	0	23630	9	Y	N	Y	AA-1(09082022)	ND	6.7mph, wind from 86 degrees, 58% humidity
FSS	AA-2	9/9/2022	10:37	212549	79.9	299.761	29.1	98.559	VOCAM-018	ND	#VALUE!		43774	0	23608	NA	N	N	Y	AA-2(09082022)	ND	2.2mph, wind from 103 degrees, 55% humidity
FSS	AA-3	9/9/2022	10:53	212549	81.0	300.372	29.1	98.559	VOCAM-018	ND	#VALUE!		15588	0	19626	6	N	N	Y	AA-3(09082022)	ND	6.7mph, wind from 170 degrees, 52% humidity
FSS	AA-4	9/9/2022	11:08	212549	81.5	300.650	29.1	98.559	VOCAM-018	ND	#VALUE!		50747	0	31112	9	N	N	Y	AA-4(09082022)	10.0	6.7mph, wind from 101 degrees, 52% humidity
FSS	AA-5	9/9/2022	11:27	212549	82.2	301.039	29.1	98.559	VOCAM-018	ND	#VALUE!		50584	0	43237	12	N	N	Y	AA-5(09082022)	ND	8.9mph, wind from 128 degrees, 52% humidity
FSS	AA-1	9/9/2022	13:28	212549	84.2	302.150	29.1	98.559	VOCAM-018	ND	#VALUE!		38262	0	23630	9	Y	N	Y	AA-1(09092022)	ND	8.9mph, wind from 178 degrees, 46% humidity
FSS	AA-2	9/9/2022	13:47	212549	84.9	302.539	29.1	98.559	VOCAM-018	ND	#VALUE!		43774	0	23608	NA	N	N	Y	AA-2(09092022)	ND	2.2mph, wind from 140 degrees, 45% humidity
FSS	AA-3	9/9/2022	14:03	212549	85.8	303.039	29.1	98.559	VOCAM-018	ND	#VALUE!		15588	0	19626	10	N	N	Y	AA-3(09092022)	ND	26.8mph, wind from 111 degrees, 45% humidity
FSS	AA-4	9/9/2022	14:19	212549	85.1	302.650	29.1	98.559	VOCAM-018	ND	#VALUE!		50747	0	31112	8	N	N	Y	AA-4(09092022)	11.3	8.9mph, wind from 126 degrees, 44% humidity
FSS	AA-5	9/9/2022	14:37	212549	86.0	303.150	29.1	98.559	VOCAM-018	ND	#VALUE!		50584	0	43237	16	N	N	Y	AA-5(09092022)	3.7	20.1mph, wind from 173 degrees, 42% humidity
FSS	AA-1	9/10/2022	10:12	212549	78.4	298.928	29.2	98.897	VOCAM-018	ND	#VALUE!		38262	0	23630	15	Y	N	Y	AA-1(09092022)	ND	2.2mph, wind from 193 degrees, 67% humidity
FSS	AA-2	9/10/2022	10:30	212549	80.8	300.261	29.2	98.897	VOCAM-018	ND	#VALUE!		50747	0	31112	14	N	N	Y	AA-2(09092022)	ND	2.2mph, wind from 9 degrees, 61% humidity
FSS	AA-3	9/10/2022	10:45	212549	82.2	301.039	29.2	98.897	VOCAM-018	ND	#VALUE!		15588	0	19626	16	N	N	Y	AA-3(09092022)	ND	2.2mph, wind from 9 degrees, 58% humidity
FSS	AA-4	9/10/2022	11:01	212549	82.2	301.039	29.2	98.897	VOCAM-018	ND	#VALUE!		43774	32	23602	16	N	N	Y	AA-4(09092022)	11.3	2.2mph, wind from 9 degrees, 52% humidity
FSS	AA-5	9/10/2022	11:57	212549	86.2	303.261	29.2	98.897	VOCAM-018	ND	#VALUE!		50584	0	43237	17	N	N	Y	AA-5(09092022)	3.7	13.4mph, wind from 9 degrees, 47% humidity
FSS	AA-1	9/10/2022	15:11	212549	86.4	303.372	29.2	98.897	VOCAM-018	ND	#VALUE!		38262	0	23630	15	Y	N	Y	NA		8.9mph, wind from 355 degrees, 49% humidity
FSS	AA-2	9/10/2022	15:29	212549	86.0	303.150	29.2	98.897	VOCAM-018	ND	#VALUE!		50747	0	31112	12	N	N	Y	NA		8.9mph, wind from 355 degrees, 49% humidity
FSS	AA-3	9/10/2022	15:44	212549	85.5	302.872	29.2	98.897	VOCAM-018	ND	#VALUE!		15588	0	19626	22	N	N	Y	NA		8.9mph, wind from 355 degrees, 50% humidity
FSS	AA-4	9/10/2022	16:01	212549	86.0	303.150	29.2	98.897	VOCAM-018	ND	#VALUE!		43774	0	23602	20	N	N	Y	NA		8.9mph, wind from 355 degrees, 49% humidity
FSS	AA-5	9/10/2022	16:19	212549	86.2	303.261	29.2	98.897	VOCAM-018	ND	#VALUE!		50584	0	43237	18	N	N	Y	NA		13.4mph, wind from 355 degrees, 49% humidity
FSS	AA-1	9/12/2022	9:22	212549	58.8	288.039	29.0	98.220	VOCAM-018	ND	#VALUE!		38262	0	23630	7	Y	N	Y	AA-1(09122022)	12.3	24.6mph, wind from 250 degrees, 77% humidity
FSS	AA-2	9/12/2022	9:37	212549	59.7	288.539	29.0	98.220	VOCAM-018	ND	#VALUE!		50747	0	31112	6	N	N	Y	AA-2(09122022)	1.3	8.9mph, wind from 265 degrees, 75% humidity
FSS	AA-3	9/12/2022	9:52	212549	60.4	288.928	29.0	98.220	VOCAM-018	ND	#VALUE!		15588	0	19626	18	N	N	Y	AA-3(09122022)	ND	31.3mph, wind from 210 degrees, 73% humidity
FSS	AA-4	9/12/2022	10:07	212549	61.5	289.539	29.0	98.220	VOCAM-018	ND	#VALUE!		43774	0	23602	10	N	N	Y	AA-4(09122022)	ND	13.4mph, wind from 221 degrees, 69% humidity
FSS	AA-5	9/12/2022	10:25	212549	61.7	289.650	29.0	98.220	VOCAM-018	ND	#VALUE!		50584	0	43237	5	N	N	Y	AA-5(09122022)	ND	31.3mph, wind from 240 degrees, 69% humidity
FSS	AA-1	9/12/2022	12:33	212549	62.1	289.872	29.0	98.220	VOCAM-018	ND	#VALUE!		38262	0	23630	5	VOCAM	Y	Y	AA-1(09122022)	12.3	26.8mph, wind from 245 degrees, 69% humidity
FSS	AA-2	9/12/2022	16:04	212549	65.1	291.539	28.9	97.881	VOCAM-018	ND	#VALUE!		50747	0	31112	7	Y	N	Y	AA-2(09122022)	1.3	24.6mph, wind from 200 degrees, 70% humidity
FSS	AA-3	9/12/2022	16:19	212549	65.5	291.761	28.9	97.881	VOCAM-018	ND	#VALUE!		15588	0	19626	21	N	N	Y	AA-3(09122022)	ND	24.6mph, wind from 206 degrees, 67% humidity
FSS	AA-4	9/12/2022	16:34	212549	64.6	291.261	28.9	97.881	VOCAM-018	ND	#VALUE!		43774	0	23602	13	N	N	Y	AA-4(09122022)	ND	17.9mph, wind from 203 degrees, 68% humidity
FSS	AA-5	9/12/2022	16:50	212549	64.2	291.039	28.9	97.881	VOCAM-018	ND	#VALUE!		50584	0	43237	8	N	N	Y	AA-5(09122022)	ND	20.1mph, wind from 240 degrees, 66% humidity
EST	AA-1	9/13/2022	10:51	212549	63.3	290.539	29.0	98.220	VOCAM-018	ND	#VALUE!		38262	0	23630	9	Y	N	Y	AA-1(09132022)	16.0	13.4 mph, wind from 221 degrees (from the SW), 82.0 % humidity
SF	AA-2	9/13/2022	11:08	212549	63.7	290.761	29.0	98.220	VOCAM-018	ND	#VALUE!		50747	392	31112	9	N	N	Y	AA-2(09132022)	11.8	8.9 mph, wind from 205 degrees (from the SSW), 82.0 % humidity
SF	AA-3	9/13/2022	11:29	212549	63.7	290.761	29.0	98.220	VOCAM-018	ND	#VALUE!		15588	0	19626	16	N	N	Y	AA-3(09132022)	2.4	17.9 mph, wind from 225 degrees (from the SW), 82.0 % humidity
EST	AA-4	9/13/2022	11:45	212549	64.2	291.039	29.0	98.220	VOCAM-018	NA	NA		43774	0	23602	12	NA	NA	NA	AA-4(09132022)	10.9	Rain began. Did not collect AA-4 or AA-5 during morning round
EST	AA-5	9/13/2022	NA	212549	64.2	291.039	29.0	98.220	VOCAM-018	NA	NA		50584	0	43237	8	NA	NA	NA	AA-5(09132022)	4.4	Rain began. Did not collect AA-4 or AA-5 during morning round.
EST	AA-1	9/13/2022		212549		255.372		0.000	VOCAM-018		0.00		38262		23630					AA-1(09132022)	16.0	
EST	AA-2	9/13/2022		212549		255.372		0.000	VOCAM-018		0.00		50747		31112					AA-2(09132022)	11.8	
EST	AA-3	9/13/2022	15:08	212549	68.5	293.428	29.1	98.559	VOCAM-018	ND	#VALUE!		15588	0	19626	20	N	N	Y	AA-3(09132022)	2.4	20.1 mph, wind blowing from 276 degrees, 78% humidity
SF	AA-4	9/13/2022	14:48	212549	67.3	292.761	29.1	98.559	VOCAM-018	ND	#VALUE!		43774	0	23602	15	N	N	Y	AA-4(09132022)	10.9	20.1 mph, wind from 273 degrees, 77% humidity
SF	AA-5	9/13/2022	14:30	212549	66.9	292.539	29.1	98.559	VOCAM-018	ND	#VALUE!		50584	10	43237	10	Y	N	Y	AA-5(09132022)	4.4	17.9 mph, wind from 230 degrees, 78% humidity

TABLE 2 - VOCAM Air Monitoring Log
RACER Trust - Kokomo, IN
Former GM Delco Plant 5
July 18, 2022 through September 22, 2022
CEASED USE OF VOCAM SEPT. 20, 2022

Sampler	Air Station	Date	Time	Weather Station ID	Temperature (Degrees F)	Temperature (K)	Pressure (°Hg)	Pressure (kPa)	VOCAM ID	TCE (ppbV)	Calculated TCE ¹ (µg/m3)	QC Flag	ppbRAE ID	PID (ppb)	DustTRAK ID	Dusts (ug/m ³)	Did you run blank before sample? (Y/N)	Did sample end early? (Y/N)	Unidentified Detections (Y/N)	Lab Sample ID	Lab Sample Results (ug/m3)	Observations During VOCAM Sample Collection
Detections are Bolded Exceedences are Shaded Gray									(from Pine)	NA	2.24		(from pine)	500	(from pine)	75						
EST	AA-1	9/14/2022	12:56	212549	78.4	298.928	29.3	99.236	VOCAM-018	ND	#VALUE!		38262	0	23630	8	N	N	Y	AA-1(09142022)	5.7	13.4 mph wind blowing from 341 degrees (from NNW), 57% humidity (AA-5 IS THE BACKGROUND WIND STATION)
EST	AA-2	9/14/2022	12:40	212549	78.4	298.928	29.3	99.236	VOCAM-018	ND	#VALUE!		50747	0	31112	72	N	N	Y	AA-2(09142022)	10.1	17.9 mph wind from 298 degrees (from WNW), 57% humidity
EST	AA-3	9/14/2022	12:22	212549	77.5	298.428	29.3	99.236	VOCAM-018	ND	#VALUE!		15588	0	19626	27	N	N	Y	AA-3(09142022)	2.5	13.4mph wind from 350 degrees (from N), 60% humidity
EST	AA-4	9/14/2022	12:05	212549	76.5	297.872	29.3	99.236	VOCAM-018	ND	#VALUE!		43774	0	23602	12	N	N	Y	AA-4(09142022)	18.0	6.7 mph wind from 351 degrees (from the N), 68% humidity
EST	AA-5	9/14/2022	11:45	212549	75.7	297.428	29.3	99.236	VOCAM-018	ND	#VALUE!		50584	0	43237	12	Y	N	Y	AA-5(09142022)	ND	6.7 mph wind from 321 degrees (from the NW), 67% humidity
EST	AA-5	9/14/2022	15:10	212549	81.9	300.872	29.3	99.236	VOCAM-018	ND	#VALUE!		38262	0	23630	15	Y	N	Y	AA-1(09142022)	5.7	6.7 mgh wind from 261 degrees, 49% humidity
EST	AA-4	9/14/2022	15:29	212549	81.7	300.761	29.3	99.236	VOCAM-018	ND	#VALUE!		50747	0	31112	13	N	N	Y	AA-2(09142022)	10.1	17.9 mph wind from 355 degrees, 48% humidity
EST	AA-3	9/14/2022	15:40	212549	82.8	301.372	29.3	99.236	VOCAM-018	ND	#VALUE!		15588	0	19626	29	Y	N	Y	AA-3(09142022)	2.5	17.9mph wind from 301 degrees, 46% humidity
EST	AA-2	9/14/2022	16:59	212549	82.8	301.372	29.3	99.236	VOCAM-018	ND	#VALUE!		43774	NA	23602	NA	N	N	Y	AA-4(09142022)	18.0	0 mph wind from 348 degrees, 43% humidity
EST	AA-1	9/14/2022	NA	212549	NA	#VALUE!	NA	#VALUE!	VOCAM-018	NA	#VALUE!		50584	NA	43237	NA				AA-5(09142022)	ND	
TW	AA-1	9/15/2022	9:55	212549	70.7	294.650	29.4	99.575	VOCAM-018	ND	#VALUE!		38262	0	23630	22	Y	N	Y	AA-1(09152022)	0.8	2.2mph wind from 355 degrees, 72% humidity
TW	AA-2	9/15/2022	10:19	212549	70.7	294.650	29.4	99.575	VOCAM-018	ND	#VALUE!		50747	NA	31112	NA	N	N	Y	AA-2(09152022)	ND	2.2mph wind from 355 degrees, 72% humidity
TW	AA-3	9/15/2022	10:45	212549	75.9	297.539	29.4	99.575	VOCAM-018	ND	#VALUE!		15588	0	19626	24	N	N	Y	AA-3(09152022)	ND	6.7mph wind from 355 degrees, 65% humidity
TW	AA-4	9/15/2022	11:07	212549	76	297.594	29.4	99.575	VOCAM-018	ND	#VALUE!		43774	0	23602	14	N	N	Y	AA-4(09152022)	2.9	6.6mph wind from 355 degrees, 62% humidity
TW	AA-5	9/15/2022	11:37	212549	76.1	297.650	29.4	99.575	VOCAM-018	ND	#VALUE!		50584	0	43237	18	N	N	Y	AA-5(09152022)	2.4	6.7mph wind from 355 degrees, 55% humidity
TW	AA-1	9/15/2022	2:02	212549	82.8	301.372	29.3	99.236	VOCAM-018	ND	#VALUE!		50584	0	43237	14	N	N	Y	AA-1(09152022)	0.8	2.2mph wind from 202 degrees, 50% humidity
TW	AA-2	9/15/2022	2:21	212549	82.8	301.372	29.3	99.236	VOCAM-018	ND	#VALUE!		43774	NA	23602	NA	N	N	Y	AA-2(09152022)	ND	8.9mph wind from 235 degrees, 50% humidity
TW	AA-3	9/15/2022	2:42	212549	83.7	301.872	29.3	99.236	VOCAM-018	ND	#VALUE!		15588	0	19626	27	N	N	Y	AA-3(09152022)	ND	6.7mph wind from 204 degrees, 47% humidity
TW	AA-4	9/15/2022	3:02	212549	83.5	301.761	29.3	99.236	VOCAM-018	ND	#VALUE!		50747	0	31112	18	N	N	Y	AA-4(09152022)	2.9	6.7mph wind from 192 degrees, 47% humidity
TW	AA-5	9/15/2022	3:23	212549	83.5	301.761	29.3	99.236	VOCAM-018	0.19	0.99		38262	0	23630	22	N	N	Y	AA-5(09152022)	2.4	6.7mph wind from 194 degrees, 46% humidity
TW	AA-1	9/19/2022	9:42	212549	72.4	295.594	29.1	98.559	VOCAM-018	ND	#VALUE!		38262	0	23630	14	Y	N	Y	AA-1(09192022)	5.8	6.7mph wind from 265 degrees, 82% humidity
TW	AA-2	9/19/2022	9:57	212549	72.4	295.594	29.1	98.559	VOCAM-018	ND	#VALUE!		50747	0	31112	NA	N	N	Y	AA-2(09192022)	16	13.4mph wind from 269 degrees, 82% humidity
TW	AA-3	9/19/2022	10:15	212549	73.0	295.928	29.1	98.559	VOCAM-018	ND	#VALUE!		15588	0	19626	31	N	N	Y	AA-3(09192022)	22.5	13.4mph wind from 267 degrees, 83% humidity
TW	AA-4	9/19/2022	10:31	212549	74.3	296.650	29.1	98.559	VOCAM-018	ND	#VALUE!		43774	0	23602	10	N	N	Y	AA-4(09192022)	16.3	20.1mph wind from 269 degrees, 83% humidity
TW	AA-5	9/19/2022	10:53	212549	74.5	296.761	29.1	98.559	VOCAM-018	ND	#VALUE!		50584	0	43237	16	N	N	Y	AA-5(09192022)	1	20.1mph wind from 269 degrees, 83% humidity
TW	Temp-1	9/19/2022	11:53	212549	79.5	299.539	29.1	98.559	VOCAM-018	ND	#VALUE!		NA	NA	NA	NA	N	N	N	NA	-	13.1 mph wind from 285 degrees
TW	Temp-2	9/19/2022	12:17	212549	79.5	299.539	29.1	98.559	VOCAM-018	ND	#VALUE!		NA	NA	NA	NA	N	N	N	NA	-	13.1 mph wind from 318 degrees
TW	AA-1	9/19/2022	15:03	212549	79.5	299.539	29.1	98.559	VOCAM-018	ND	#VALUE!		50584	0	43237	14	N	N	Y	AA-1(09192022)	5.8	17.9mph wind from 317 degrees
TW	AA-2	9/19/2022	15:23	212549	83.5	301.761	29.1	98.559	VOCAM-018	ND	#VALUE!		43774	0	23602	14	N	N	Y	AA-2(09192022)	16	17.9mph wind from 355 degrees
TW	AA-3	9/19/2022	15:38	212549	83.5	301.761	29.1	98.559	VOCAM-018	ND	#VALUE!		15588	0	19626	40	N	N	N	AA-3(09192022)	22.5	2.2mph wind from 326 degrees, 57% humidity
TW	AA-4	9/19/2022	15:56	212549	85.5	302.872	29.1	98.559	VOCAM-018	ND	#VALUE!		50747	0	31112	14	N	N	Y	AA-4(09192022)	16.3	8.9mph wind from 282 degrees, 53% humidity
TW	AA-5	9/19/2022	16:13	212549	84.4	302.261	29.1	98.559	VOCAM-018	ND	#VALUE!		38262	0	23630	13	N	N	N	AA-5(09192022)	1	8.9mph wind from 327 degrees, 53% humidity
TW	AA-1	9/20/2022	9:37	212549	72.7	295.761	29.1	98.559	VOCAM-018	ND	#VALUE!		38262	0	23630	27	Y	N	Y	AA-1(09202022)	ND	8.9mph wind from 200 degrees, 67% humidity
TW	AA-2	9/20/2022	9:53	212549	75.2	297.150	29.1	98.559	VOCAM-018	ND	#VALUE!		50747	0	31112	NA	N	N	N	AA-2(09202022)	ND	2.2mph wind from 200 degrees, 64% humidity
TW	AA-3	9/20/2022	10:24	212549	76.3	297.761	29.1	98.559	VOCAM-018	ND	#VALUE!		15588	0	19626	34	N	N	N	AA-3(09202022)	ND	6.7mph wind from 132 degrees, 62% humidity
TW	AA-4	9/20/2022	10:40	212549	76.5	297.872	29.1	98.559	VOCAM-018	ND	#VALUE!		43774	0	23602	17	N	N	N	AA-4(09202022)	ND	17.9mph wind from 177 degrees, 56% humidity
TW	AA-5	9/20/2022	13:43	212549	79.9	299.761	29.1	98.559	VOCAM-018	ND	#VALUE!		50584	0	43237	17	N	N	N	AA-5(09202022)	8.3	17.9mph wind from 177 degrees, 56% humidity
TW	AA-1	9/20/2022	14:20	212549	86.7	303.539	29.1	98.559	VOCAM-018	ND	#VALUE!		50584	0	43237	16	N	N	N	AA-1(09202022)	ND	35.8mph wind from 173 degrees, 60% humidity
TW	AA-2	9/20/2022	14:00	212549	86.7	303.539	29.1	98.559	VOCAM-018	ND	#VALUE!		43774	0	23602	NA	N	N	N	AA-2(09202022)	ND	35.8mph wind from 173 degrees, 60% humidity
TW	AA-3	9/20/2022	14:36	212549	86.7	303.539	29.1	98.559	VOCAM-018	ND	#VALUE!		15588	0	19626	14	N	N	N	AA-3(09202022)	ND	24.6mph wind from 185 degrees, 57%
TW	AA-4	9/20/2022	14:54	212549	87.0	303.706	29.1	98.559	VOCAM-018	ND	#VALUE!		50747	0	31112	19	N	N	Y	AA-4(09202022)	ND	24.6mph wind from 185 degrees, 57%
TW	AA-5	9/20/2022	16:05	212549	90.5	305.650	29.1	98.559	VOCAM-018	ND	#VALUE!		38262	0	23630	20	N	N	N	AA-5(09202022)	8.3	20.1mph wind from 109 degrees, 55%
TW	AA-1	9/21/2022		212549																		Unable to collect VOCAM samples of ambient air today. Received VOCAM-18 in the mail after it was serviced, but observed service issues. Determined a need to ship both VOCAM units back to the manufacturer where it was determined both VOCAMs had maintenance issues.
TW	AA-2	9/21/2022		212549																		
TW	AA-3	9/21/2022		212549																		
TW	AA-4	9/21/2022		212549																		
TW	AA-5	9/21/2022		212549																		
TW	AA-1	9/22/2022		212549																		VOCAM undergoing service.
TW	AA-2	9/22/2022		212549																		
TW	AA-3	9/22/2022		212549																		
TW	AA-4	9/22/2022		212549																		
TW	AA-5	9/22/2022		212549																		

TABLE 3 - FROG Air Monitoring Log
RACER Trust - Kokomo, IN
Former GM Delco Plant 5
October 7, 2022 through November 4, 2022

Sampler	Sample Location (REFER TO DAILY MAPS)	Describe Location	Date	Time	Weather Station ID	Temp (Deg F)	Temp (K)	Pressure (T"Hg)	Pressure (kPa)	FROG ID	TCE (ppbv)	Calculated TCE ¹ (ug/m3)	Wind Speed (mph)	Wind Direction (degrees)	Wind Direction From?	Humidity (%)	Weather Conditions	Did you run blank before sample? (Y/N)	Did sample end early? (Y/N)	Unidentified Detections (Y/N)	Lab Sample ID	Results (ug/m3) 2.24 ug/m3	Observations During VOCAM Sample Collection		
Exceedences are Shaded Gray										(from Pine)	NA	2.24													
1: TCE concentration calculated using the following calculation: ug/m³ = ppbV/Molecular Weight * (1/8.3144) * ((P - P _{atm}) / P _{atm}) * (1/T _{amb} - 1/T _{ref}) * P _{ref} , Where ppbv is recorded from the FROG Instrument (ppbv); Molar mass of TCE = 131.4 g/mol; Temperature is obtained from the AA-1 weather station in degrees Fahrenheit and converted to Kelvin. Pressure is obtained from the AA-1 weather station in inches mercury and converted to kilopascals.																									
Note: Frog sample collection time is 1 minute.																									
TW	F-01	SE of Cell J40	10/7/2022	16:07	212549	59.5	288.428	29.4	99.575	43789	ND	ND	24.60	279	W	33%	Sunny, partly cloudy	Y	N	N	AA-3(10072022)	1.2	Mixing concrete in cells J21,J22,J27, and J28. Constant foaming and area is well covered		
TW	F-02	S of Cell J39	10/7/2022	16:23	212549	59.3	288.317	29.4	99.575	43789	ND	ND	35.80	338	N	35%	Sunny, partly cloudy	N	N	N	AA-3(10072022)	1.2	Mixing concrete in cells J21,J22,J27, and J28. Constant foaming and area is well covered		
TW	F-03	S of Cell J39	10/7/2022	16:39	212549	59.5	288.428	29.4	99.575	43789	4.28	23.35	31.30	326	NW	36%	Sunny, partly cloudy	N	N	N	AA-3(10072022)	1.2	Mixing concrete in cells J21,J22,J27, and J28. Constant foaming and area is well covered		
TW	F-04	S of Cell J39	10/7/2022	17:10	212549	59.3	288.317	29.4	99.575	43789	ND	ND	24.60	297	NW	37%	Sunny, partly cloudy	Y	N	N	AA-3(10072022)	1.2	Mixing concrete in cells J21,J22,J27, and J28. Constant foaming and area is well covered		
TW	F-05	S of Cell J37	10/7/2022	17:21	212549	59.9	288.650	29.4	99.575	43789	2.11	11.50	26.80	360	N	35%	Sunny, partly cloudy	N	N	N	AA-3(10072022)	1.2	Mixing concrete in cells J21,J22,J27, and J28. Constant foaming and area is well covered		
TW	F-06	NW of Cell J1	10/7/2022	18:19	212549	57.7	287.428	29.4	99.575	43789	ND	ND	20.10	288	W	38%	Sunny, partly cloudy	Y	N	N	AA-4(10072022)	0.94	Foaming in northern excavation, cells G and H		
TW	F-01	E of Cell I40	10/10/2022	10:31	212549	53.3	284.983	29.3	99.236	43789	ND	ND	24.60	220	SW	43%	Sunny, Clear	Y	N	Y	AA-1(10102022)	ND	Foaming and mixing in cells i55 and i56		
TW	F-02	E of Cell H4	10/10/2022	11:54	212549	68.7	293.539	29.3	99.236	43789	ND	ND	17.90	194	S	35%	Sunny, clear	N	N	Y	AA-1(10102022)	ND	Prepping cells i47 and i48		
TW	F-03	E of Cell H4	10/10/2022	12:11	212549	70.2	294.372	29.3	99.236	43789	ND	ND	13.40	190	S	34%	Sunny, clear	N	N	Y	AA-1(10102022)	ND	Mixing and foaming cells i47 and i48		
TW	F-04	E of Cell H4	10/10/2022	12:50	212549	70.0	294.261	29.3	99.236	43789	ND	ND	24.60	194	S	44%	Sunny, clear	N	N	Y	AA-1(10102022)	ND	Mixing and foaming cells i47 and i48		
TW	F-05	E of Cell E24	10/10/2022	14:30	212549	77.5	298.428	29.3	99.236	43789	ND	ND	35.80	200	S	23%	Sunny, Clear	N	N	Y	AA-1(10102022)	ND	Mixing and foaming cells i47 and i48		
TW	F-06	E of Cell A40	10/10/2022	14:53	212549	76.8	298.039	29.3	99.236	43789	1.24	6.53	8.90	284	W	26%	Sunny, Clear	N	N	Y	AA-2(10102022)	ND	Mixing and foaming cells i47 and i48		
TW	F-07	NE of Cell A9	10/10/2022	15:24	212549	77.5	298.428	29.3	99.236	43789	ND	ND	44.70	181	S	24%	Sunny, Clear	Y	N	Y	AA-5(10102022)	1.1	Mixing and foaming cells i47 and i48		
TW	F-08	NE of Cell A10	10/10/2022	16:09	212549	77.9	298.650	29.3	99.236	43789	ND	ND	38.00	180	S	25%	Sunny, Clear	N	N	Y	AA-5(10102022)	1.1	Mixing and foaming cells i47 and i48		
TW	F-01	N of Cell A2	10/11/2022	9:10	212549	59.9	288.650	29.3	99.236	43789	1.15	6.25	24.60	142	SE	54%	Sunny, partly cloudy	Y	N	Y	AA-5(10112022)	1.4	Building berm around H and I cells before mixing		
TW	F-02	Northern FenceLine N of Cell A3	10/11/2022	9:38	212549	62.2	288.928	29.3	99.236	43789	ND	ND	24.60	142	SE	50%	Cloudy	Y	N	Y	AA-5(10112022)	1.4	Mixing and foaming in cells i16 &i17		
TW	F-03	N of Cell A8	10/11/2022	10:00	212549	64.4	291.150	29.3	99.236	43789	ND	ND	31.30	161	S	46%	Cloudy	N	N	Y	AA-5(10112022)	1.4	Mixing and foaming in cells i16 &i17		
TW	F-04	Northern FenceLine N of Cell A6	10/11/2022	10:42	212549	66.9	292.539	29.3	99.236	43789	ND	ND	35.80	178	S	41%	Cloudy	Y	N	Y	AA-5(10112022)	1.4	Mixing and foaming in cells i16 &i17		
TW	F-05	N of Cell A7	10/11/2022	11:19	212549	67.1	292.650	29.3	99.236	43789	1.63	8.74	26.80	182	S	41%	Cloudy	N	N	Y	AA-5(10112022)	1.4	Mixing and foaming in cells i16 &i17		
TW	F-06	E of A38	10/11/2022	11:53	212549	70.3	294.428	29.3	99.236	43789	1.58	8.42	31.30	174	S	37%	Cloudy	Y	N	Y	AA-5(10112022)	1.4	Mixing and foaming in cells i16 &i17		
TW	F-07	AA-4	10/11/2022	12:21	212549	71.4	295.039	29.3	99.236	43789	ND	ND	26.80	159	S	33%	Cloudy	Y	N	Y	AA-4(10112022)	ND	Building berm in cells i23 &i24		
TW	F-08	E of Cell i20	10/11/2022	13:37	212549	74.1	296.539	29.3	99.236	43789	ND	ND	49.20	208	S	31%	Sunny, partly cloudy	N	N	Y	AA-1(10112022)	ND	Mixing in cells i23 &i24		
TW	F-09	In excavation, Cell E18	10/11/2022	15:30	212549	70.5	294.539	29.3	99.236	43789	2.51	13.36	17.90	207	SW	41%	Cloudy	N	N	Y	AA-1(10112022)	ND	No groundwork occurring		
TW	F-01	N of Cell A2	10/12/2022	9:01	212549	65.3	291.650	29.0	98.220	43789	1.63	8.68	26.80	182	S	59%	Cloudy	Y	N	Y	AA-5(10122022)	<0.81	Mixing and foaming in cells F11 and G1		
TW	F-02	Northern FenceLine N of Cell A3	10/12/2022	9:45	212549	66.9	292.539	29.0	98.220	43789	ND	ND	42.50	171	S	57%	Cloudy	Y	N	Y	AA-5(10122022)	<0.81	Mixing and foaming in cells F11 and G1		
TW	F-03	AA-4	10/12/2022	10:02	212549	67.1	292.650	29.0	98.220	43789	ND	ND	29.20	196	S	56%	Cloudy	N	N	Y	AA-4(10122022)	<0.81	Building berm in cells G2 and G3		
TW	F-04	N of Cell A2	10/12/2022	11:23	212549	69.4	293.928	29.0	98.220	43789	0.92	4.86	42.50	173	S	55%	Cloudy	N	N	Y	AA-5(10122022)	<0.81	Mixing and foaming in cells G2 and G3		
TW	F-05	N of Cell A2	10/12/2022	14:49	212549	66.9	292.539	28.9	97.881	43789	ND	ND	60.40	196	S	65%	Cloudy	Y	N	Y	AA-5(10122022)	<0.81	Mixing and foaming in Cells A1 and A2		
TW	F-06	N of Cell A2	10/12/2022	15:00	212549	66.9	292.539	28.9	97.881	43789	ND	ND	62.60	157	SE	65%	Cloudy	N	N	Y	AA-5(10122022)	<0.81	Mixing and foaming in Cells A1 and A2		
TW	F-07	N of Cell A2	10/12/2022	15:45	212549	68.5	293.428	28.9	97.881	43789	ND	ND	49.20	189	S	64%	Partly cloudy	Y	N	Y	AA-5(10122022)	<0.81	Mixing and foaming in Cells A1 and A2		
TW	F-08	E of Cell E30	10/12/2022	16:05	212549	67.8	293.039	28.9	97.881	43789	ND	ND	31.30	219	SW	65%	Cloudy	N	N	Y	AA-1(10122022)	<0.81	Mixing and foaming in Cells A1 and A2		
TW	F-09	S of Cell i57	10/12/2022	16:27	212549	67.1	292.650	28.9	97.881	43789	ND	ND	26.80	200	S	67%	Cloudy	N	N	Y	AA-2(10122022)	<0.81	Mixing and foaming in Cells A1 and A2		
TW	F-10	N of Cell A5	10/12/2022	17:13	212549	66.4	292.261	28.9	97.881	43789	ND	ND	31.30	202	S	70%	Cloudy	N	N	Y	AA-5(10122022)	<0.81	No earthwork occurring		
TW	F-01	NW of Cell A9	10/13/2022	8:42	212549	45.3	280.539	28.9	97.881	43789	0.41	2.26	17.90	250	W	83%	Sunny	Y	N	Y	AA-1(10132022)	<0.92	GSi building berm in Cells A2 and A3		
TW	F-02	NW of Cell A9	10/13/2022	9:14	212549	46.9	281.428	28.9	97.881	43789	0.94	5.17	20.10	206	SW	81%	Sunny	Y	N	Y	AA-1(10132022)	<0.92	GSi mixing and foaming in Cells A3 and A4		
TW	F-03	Northeast FenceLine NW of Cell A9	10/13/2022	9:45	212549	47.8	281.928	28.9	97.881	43789	ND	ND	20.10	201	S	79%	Sunny, partly cloudy	Y	N	Y	AA-1(10132022)	<0.92	GSi mixing and foaming in Cells A3 and A4		
TW	F-04	Fenceline AA-5	10/13/2022	10:11	212549	49.8	283.039	28.9	97.881	43789	ND	ND	20.10	206	SW	73%	Sunny	Y	N	N	AA-5(10132022)	<0.81	GSi mixing and foaming in Cells A3 and A4		
TW	F-05	E of Cell A36	10/13/2022	10:47	212549	52.5	284.539	28.9	97.881	43789	ND	ND	31.30	198	S	65%	Sunny	N	N	N	AA-1(10132022)	<0.92	GSi mixing and foaming in Cells A3 and A4		
TW	F-06	S of Cell i38	10/13/2022	11:03	212549	53.8	285.261	28.9	97.881	43789	ND	ND	31.30	235	SW	63%	Sunny	N	N	Y	AA-2(10132022)	1.1	GSi applying longterm foam to bottom of excavation in A, D and E cells		
TW	F-07	Fenceline AA-4	10/13/2022	11:31	212549	56.1	286.539	28.9	97.881	43789	ND	ND	24.60	197	S	57%	Sunny	N	N	Y	AA-4(10132022)	<0.74	GSi building berm in Cells A5 and A6		
TW	F-08	NW of Cell A9	10/13/2022	12:03	212549	57.7	287.428	28.9	97.881	43789	ND	ND	31.30	196	S	51%	Sunny	N	N	N	AA-1(10132022)	<0.92	GSi mixing and foaming in Cells A5 and A6		
TW	F-09	Northeast FenceLine NW of Cell A9	10/13/2022	12:56	212549	59.0	288.150	28.9	97.881	43789	ND	ND	26.80	205	SW	49%	Sunny	N	N	N	AA-1(10132022)	<0.92	GSi mixing and foaming in Cells A5 and A6		
TW	F-10	NW of Cell A9	10/13/2022	14:07	212549	60.4	288.928	28.8	97.543	43789	ND	ND	38.00	263	W	39%	Partly cloudy	N	N	N	AA-1(10132022)	<0.92	GSi building berm in Cells A7 and A8		
TW	F-11	East of Cell A9	10/13/2022	15:18	212549	55.8	286.372	28.8	97.543	43789	4.73	25.46	13.40	270	W	47%	Sunny	Y	N	N	AA-1(10132022)	<0.92	GSi mixing in cells A7 and A8		
TW	F-12	Fenceline AA-1	10/13/2022	15:42	212549	60.4	288.928	28.8	97.543	43789	ND	ND	24.60	211	SW	29%	Partly cloudy	Y	N	N	AA-1(10132022)	<0.92	GSi getting depth measurement in cells A7 and A8		

TABLE 3 - FROG Air Monitoring Log
RACER Trust - Kokomo, IN
Former GM Delco Plant 5
October 7, 2022 through November 4, 2022

Sampler	Sample Location (REFER TO DAILY MAPS)	Describe Location	Date	Time	Weather Station ID	Temp (Deg F)	Temp (K)	Pressure (”Hg)	Pressure (kPa)	FROG ID	TCE (ppbV)	Calculated TCE* (µg/m3)	Wind Speed (mph)	Wind Direction (degrees)	Wind Direction From?	Humidity (%)	Weather Conditions	Did you run blank before sample? (Y/N)	Did sample and early? (Y/N)	Unidentified Detections (Y/N)	Lab Sample ID	Results (µg/m3) 2.24 µg/m3	Observations During VOCAM Sample Collection
Exceedences are Shaded Gray										(from Pine)	NA	2.24											
TW	F-01	N of Cell A9	10/14/2022	9:09	212549	45.7	280.761	28.9	97.881	43789	ND	ND	17.90	162	S	52%	Sunny	Y	N	Y	AA-5(10142022)	<0.86	GSI mixing in cell A9
TW	F-02	NE of Cell A9	10/14/2022	10:15	212549	51.3	283.872	28.9	97.881	43789	1.63	8.88	24.60	227	SW	44%	Sunny	N	N	N	AA-1(10142022)	<0.83	GSI mixing and foaming in cell A9
TW	F-03	Fenceline AA-4	10/14/2022	11:29	212549	54.7	285.761	28.9	97.881	43789	ND	ND	38.00	213	SW	33%	Sunny	Y	N	N	AA-4(10142022)	<0.81	GSI building berm in cells C1,2,4 A5 and B3 and B5
TW	F-04	NW of Cell A9	10/14/2022	11:45	212549	55.2	286.039	28.9	97.881	43789	ND	ND	24.60	250	W	32%	Sunny	N	N	N	AA-1(10142022)	<0.83	GSI building berm in cells C1,2,4 A5 and B3 and B5
TW	F-05	E of Cell A9	10/14/2022	13:07	212549	58.8	288.039	28.9	97.881	43789	26.48	142.21	26.80	281	W	20%	Sunny	Y	N	N	AA-1(10142022)	<0.83	GCI mixing and foaming in cells C1,2,4,5
TW	F-06	Fenceline AA-5	10/14/2022	13:32	212549	60.2	288.817	28.9	97.881	43789	ND	ND	31.20	240	SW	19%	Sunny	Y	N	N	AA-1(10142022)	<0.83	GCI mixing and foaming in cells C1,2,4,5
TW	F-07	North of Cell A9	10/14/2022	14:11	212549	61.3	289.428	28.9	97.881	43789	4.68	25.01	35.80	220	SW	17%	Sunny	N	N	N	AA-1(10142022)	<0.83	GCI recently finished mixing and foaming in cells C1,2,4,5
TW	F-08	East of Cell A9	10/14/2022	14:54	212549	63.3	290.539	28.9	97.881	43789	ND	ND	31.30	207	SW	16%	Sunny	Y	N	N	AA-1(10142022)	<0.83	GSI mixing and foaming in cells B2 and B3
TW	F-09	North of Cell A9	10/14/2022	15:35	212549	64.4	291.150	28.8	97.543	43789	ND	ND	44.70	197	S	14%	Sunny	Y	N	Y	AA-5(10142022)	<0.86	GSI mixing and foaming in cells B2 and B3
TW	F-10	Along north side of MSA stockpile	10/14/2022	15:58	212549	65.3	291.650	28.8	97.543	43789	ND	ND	44.70	201	S	13%	Sunny	N	N	Y	AA-5(10142022)	<0.86	GSI mixing and foaming in cells B2 and B3
TW	F-11	NW of Cell B5	10/14/2022	16:28	212549	65.8	291.928	28.8	97.543	43789	ND	ND	55.90	166	S	12%	Sunny	N	N	N	AA-5(10142022)	<0.86	GSI mixing and foaming in cells B2 and B3
FSS	F-01	South of Cell I57	10/17/2022	9:59	212549	42.3	278.872	29.0	98.220	43789	ND	ND	31.30	265	W	69%	Cloudy	Y	N	Y	AA-3 (10172022)	<1.3	GSI mixing in cells A 26, 27, 35, and 36.
FSS	F-02	East of Cell I59	10/17/2022	10:33	212549	42.6	279.039	29.0	98.220	43789	ND	ND	26.80	286	W	65%	Cloudy	N	N	Y	AA-2(10172022)	1.1	GSI mixing and foaming in cells A 26, 27, 35, and 36.
FSS	F-03	East of Cell H4	10/17/2022	12:42	212549	44.4	280.039	29.0	98.220	43789	ND	ND	42.50	284	W	50%	Cloudy	Y	N	Y	AA-2(10172022)	1.1	GSI mixing and foaming in cells A 26 and B3, and 36.
FSS	F-04	South of Cell I57	10/17/2022	13:14	212549	44.8	280.261	29.0	98.220	43789	ND	ND	62.80	274	W	46%	Cloudy	N	N	Y	AA-3 (10172022)	<1.3	GSI mixing and foaming in cells B 6, 7, 8, and 9.
FSS	F-05	South east of Cell I59	10/17/2022	13:45	212549	44.6	280.150	29.0	98.220	43789	0.22	1.22	55.90	249	W	48%	Cloudy	N	N	Y	AA-2(10172022)	1.1	GSI mixing and foaming in cells B 6, 7, 8, and 9.
FSS	F-06	Fenceline between AA- 2 and AA-3	10/17/2022	14:23	212549	43.2	279.372	29.0	98.220	43789	ND	ND	53.70	242	SW	51%	Cloudy	Y	N	Y	AA-2(10172022)	1.1	GSI mixing and foaming in cells B 6, 7, 8, and 9.
FSS	F-07	East of Cell A9	10/17/2022	16:01	212549	43.7	279.650	29.0	98.220	43789	2.53	14.04	31.30	235	SW	52%	Cloudy	Y	N	Y	AA-1 (10172022)	2.7	GSI mixing and foaming in cells A 20, 21, 29, and 30.
FSS	F-08	Fenceline at AA-1	10/17/2022	16:29	212549	43.9	279.761	29.0	98.220	43789	0.54	3.00	38.00	262	W	52%	Cloudy	Y	N	Y	AA-1 (10172022)	2.7	GSI mixing and foaming in cells A 20, 21, 29, and 30.
FSS	F-01	East of cell A36	10/18/2022	10:40	212549	40.5	277.872	29.1	98.559	43789	ND	ND	24.60	275	W	67%	Cloudy	Y	N	Y	AA-1 (10182022)	0.77	No earthwork occurring due to excavator maintenance.
FSS	F-02	East of cell A27	10/18/2022	12:14	212549	42.3	278.872	29.1	98.559	43789	ND	ND	38.00	280	W	63%	Cloudy	Y	N	Y	AA-1 (10182022)	0.77	GSI mixing and foaming in cells A 22, 23, 31, 32
FSS	F-03	East of cell A27	10/18/2022	12:33	212549	42.6	279.039	29.1	98.559	43789	ND	ND	38.00	279	W	62%	Cloudy	N	N	Y	AA-1 (10182022)	0.77	GSI mixing and foaming in cells A 22, 23, 31, 32
FSS	F-04	East of cell A18	10/18/2022	13:22	212549	42.4	278.928	29.1	98.559	43789	ND	ND	35.80	291	W	60%	Cloudy	Y	N	Y	AA-1 (10182022)	0.77	GSI mixing and foaming in cells A 22, 23, 31, 32
FSS	F-05	South east of Cell I59	10/18/2022	13:40	212549	42.3	278.872	29.1	98.559	43789	ND	ND	38.00	284	W	60%	Cloudy	N	N	Y	AA-2 (10182022)	0.85	GSI mixing and foaming in cells A 22, 23, 31, 32
FSS	F-06	East of cell E4	10/18/2022	14:04	212549	42.3	278.872	29.1	98.559	43789	3.69	20.61	42.50	306	NW	60%	Cloudy	Y	N	Y	AA-2 (10182022)	0.85	GSI mixing and foaming in cells A 24, 25, 33, 34
FSS	F-07	Fenceline at AA-2	10/18/2022	14:28	212549	42.3	278.872	29.1	98.559	43789	ND	ND	42.50	279	W	59%	Cloudy	Y	N	Y	AA-2 (10182022)	0.85	GSI mixing and foaming in cells A 24, 25, 33, 34
FSS	F-08	East of cell A27	10/18/2022	16:25	212549	41.7	278.539	29.1	98.559	43789	ND	ND	31.30	278	W	62%	Cloudy	Y	N	Y	AA-1 (10182022)	0.77	GSI foaming and building berm around cell A
FSS	F-01	East of cell A18	10/19/2022	10:18	212549	39.9	277.539	29.1	98.559	43789	1.4	7.86	26.80	244	SW	65%	Cloudy	Y	N	Y	AA-1 (10192022)	2.5	GSI mixing cells E 3, 4, 8.
FSS	F-02	East of cell A18	10/19/2022	10:43	212549	40.8	278.039	29.1	98.559	43789	1.85	10.36	31.30	262	W	65%	Cloudy	Y	N	Y	AA-1 (10192022)	2.5	GSI mixing in cells E 1, 2, 5, 6, 7.
FSS	F-03	Fenceline between AA-1 and AA-2	10/19/2022	11:19	212549	43.3	279.428	29.1	98.559	43789	ND	ND	31.30	250	W	63%	Partly Cloudy	Y	N	Y	AA-1 (10192022)	2.5	GSI mixing in cells E 1, 2, 5, 6, 7.
FSS	F-04	North-East of cell A9	10/19/2022	12:20	212549	45.9	280.872	29.1	98.559	43789	ND	ND	31.30	240	SW	57%	Sunny	Y	N	Y	AA-1 (10192022)	2.5	GSI mixing in cells E 1, 2, 5, 6, 7.
FSS	F-05	East of cell E24	10/19/2022	14:24	212549	50.5	283.428	29.1	98.559	43789	0.89	4.89	35.80	265	W	38%	Sunny	Y	N	Y	AA-1 (10192022)	2.5	GSI mixing and foaming in cells E 1, 2, 5, 6, 7.
FSS	F-06	Fenceline at AA-1	10/19/2022	14:49	212549	51.1	283.761	29.1	98.559	43789	ND	ND	38.00	209	SW	37%	Sunny	Y	N	Y	AA-1 (10192022)	2.5	GSI mixing and foaming in cells E 1, 2, 5, 6, 7.
FSS	F-07	East of cell E8	10/19/2022	15:07	212549	52.3	284.428	29.1	98.559	43789	ND	ND	35.80	259	W	33%	Sunny	N	N	Y	AA-1 (10192022)	2.5	GSI mixing and foaming in cells E 1, 2, 5, 6, 7.
FSS	F-08	East of cell E8	10/19/2022	15:18	212549	52.2	284.372	29.1	98.559	43789	2.27	12.43	38.00	265	W	32%	Sunny	N	N	Y	AA-1 (10192022)	2.5	GSI mixing and foaming in cells E 1, 2, 5, 6, 7.
FSS	F-09	Fenceline at AA-1	10/19/2022	15:45	212549	53.2	284.928	29.1	98.559	43789	1.53	8.36	31.30	233	SW	29%	Sunny	Y	N	Y	AA-1 (10192022)	2.5	GSI mixing and foaming in cells E 1, 2, 5, 6, 7.
FSS	F-10	Fenceline at AA-1	10/19/2022	16:55	212549	54.1	285.428	29.1	98.559	43789	4.56	24.88	26.80	230	SW	25%	Sunny	Y	N	Y	AA-1 (10192022)	2.5	GSI building berm around cell E; long term foam generously applied already.
FSS	F-01	North-East of cell A9	10/20/2022	12:08	212549	54.3	285.539	29.0	98.220	43789	7.37	40.07	NA	NA	SW	NA	Sunny	Y	N	Y	AA-5 (10202022)		GSI mixing in cells C 4, 5.
FSS	F-02	Fenceline near East of job trailers	10/20/2022	12:49	212549	54.7	285.761	29.0	98.220	43789	ND	ND	35.80	233	SW	18%	Sunny	Y	N	Y	AA-5 (10202022)		GSI mixing in cells C 4, 5.
FSS	F-03	North-East of cell A9	10/20/2022	13:02	212549	55.9	286.428	29.0	98.220	43789	ND	ND	44.70	296	NW	18%	Sunny	N	N	Y	AA-1 (10202022)		GSI mixing and foaming in cells C 4, 5.
FSS	F-04	North of cell A1	10/20/2022	13:32	212549	56.3	286.650	29.0	98.220	43789	ND	ND	31.30	198	S	15%	Sunny	Y	N	Y	AA-5 (10202022)		GSI mixing and foaming in cells C 4, 5.
FSS	F-05	North of cell A1	10/20/2022	13:55	212549	57.7	287.428	29.0	98.220	43789	ND	ND	35.80	209	SW	15%	Sunny	N	N	Y	AA-5 (10202022)		GSI shutting down mixing ops for the day and removing excavator.

TABLE 3 - FROG Air Monitoring Log
RACER Trust - Kokomo, IN
Former GM Delco Plant 5
October 7, 2022 through November 4, 2022

Sampler	Sample Location (REFER TO DAILY MAPS)	Describe Location	Date	Time	Weather Station ID	Temp (Deg F)	Temp (K)	Pressure (”Hg)	Pressure (kPa)	FROG ID	TCE (ppbV)	Calculated TCE* (µg/m3)	Wind Speed (mph)	Wind Direction (degrees)	Wind Direction From?	Humidity (%)	Weather Conditions	Did you run blank before sample? (Y/N)	Did sample and early? (Y/N)	Unidentified Detections (Y/N)	Lab Sample ID	Results (µg/m3) 2.24 µg/m3	Observations During VOCAM Sample Collection
Exceedences are Shaded Gray										(from Pine)	NA	2.24											
FSS	F-01	North-West of Cell A1	10/24/2022	9:18	212549	64.2	291.039	29.2	98.897	43789	3.41	18.31	17.90	128	SE	51%	Sunny	Y	N	Y	AA-5 (10242022)		GSI mixing and foaming in cells C 4, 5.
FSS	F-02	Fenceline, West of AA-5	10/24/2022	9:45	212549	66.0	292.039	29.2	98.897	43789	2.82	15.09	20.10	167	S	48%	Sunny	Y	N	Y	AA-5 (10242022)		GSI mixing and foaming in cells C 4, 5.
FSS	F-03	North-West of Cell A1	10/24/2022	10:15	212549	68.0	293.150	29.2	98.897	43789	23.64	126.04	35.80	173	S	45%	Sunny	Y	N	Y	AA-5 (10242022)		GSI mixing and foaming in cells C 4, 5.
FSS	F-04	Fenceline at AA-5	10/24/2022	11:16	212549	72.7	295.761	29.2	98.897	43789	ND	ND	24.60	138	SE	39%	Sunny	Y	N	Y	AA-5 (10242022)		GSI mixing and foaming in cells C 4, 5.
FSS	F-05	North-West of Cell A1	10/24/2022	13:36	212549	75.7	297.428	29.1	98.559	43789	N/A	N/A	31.30	169	S	39%	Cloudy	Y	Y	N/A	AA-5 (10242022)		GSI mixing and foaming in cells C 4, 5.
FSS	F-06	North-West of Cell A1	10/24/2022	14:08	212549	77.5	298.428	29.1	98.559	43789	4.25	22.18	17.90	179	S	36%	Partly Cloudy	Y	N	Y	AA-5 (10242022)		GSI mixing and foaming in cells C 4, 5.
FSS	F-07	Fenceline, West of AA-5	10/24/2022	14:50	212549	79.5	299.539	29.1	98.559	43789	ND	ND	8.90	134	SE	34%	Partly cloudy	Y	N	Y	AA-5 (10242022)		GSI mixing and foaming in cells C 4, 5.
FSS	F-08	North-West of Cell B1	10/24/2022	15:23	212549	77.4	298.372	29.1	98.559	43789	ND	ND	20.10	153	SE	36%	Cloudy	Y	N	Y	AA-5 (10242022)		GSI mixing and foaming in cells C 4, 5.
FSS	F-09	North-West of Cell B1	10/24/2022	16:10	212549	76.5	297.872	29.1	98.559	43789	84.47	441.70	6.70	175	S	37%	Cloudy	Y	N	Y	AA-5 (10242022)		GSI mixing and foaming in cells C 4, 5.
FSS	F-10	Fenceline, West of AA-5	10/24/2022	16:36	212549	76.3	297.761	29.1	98.559	43789	ND	ND	8.90	136	SE	37%	Cloudy	Y	N	Y	AA-5 (10242022)		GSI mixing and foaming in cells C 4, 5.
FSS	F-11	North-West of Cell A1	10/24/2022	17:19	212549	75.6	297.372	29.1	98.559	43789	3.65	19.12	20.10	94	E	37%	Cloudy	Y	N	Y	AA-5 (10242022)		GSI mixing and foaming in cells C 4, 5.
FSS	F-12	Fenceline at AA-5	10/24/2022	17:59	212549	75.0	297.039	29.1	98.559	43789	ND	ND	8.90	140	SE	38%	Cloudy	Y	N	Y	AA-5 (10242022)		GSI mixing and foaming in cells C 4, 5.
FSS	F-01	North-West of Cell A1	10/25/2022	11:04	212549	69.6	294.039	28.9	97.881	43789	7.15	37.62	20.10	150	SE	50%	Cloudy	Y	N	Y	AA-5 (10252022)		GSI foaming in cells C 7, 8, 10, 11, and G 25, 26.
FSS	F-02	Fenceline at AA-5	10/25/2022	11:32	212549	70.5	294.539	28.9	97.881	43789	3.87	20.33	13.40	129	SE	50%	Cloudy	Y	N	Y	AA-5 (10252022)		GSI foaming and mixing in cells C 7, 8, 10, 11, and G 25, 26.
FSS	F-03	North-West of Cell A1	10/25/2022	12:23	212549	72.7	295.761	28.9	97.881	43789	8.54	44.67	24.60	160	S	50%	Cloudy	Y	N	Y	AA-5 (10252022)		GSI foaming and mixing in cells C 7, 8, 10, 11, and G 25, 26.
FSS	F-04	Fenceline at AA-5	10/25/2022	13:06	212549	74.1	296.539	28.9	97.881	43789	ND	ND	26.80	140	SE	49%	Cloudy	Y	N	Y	AA-5 (10252022)		GSI foaming and mixing in cells C 7, 8, 10, 11.
FSS	F-05	North-West of Cell A1	10/25/2022	15:17	212549	72.5	295.650	28.8	97.543	43789	3.19	16.63	31.30	116	SE	56%	Cloudy	Y	N	Y	AA-5 (10252022)		GSI foaming and mixing in cells C 7, 8, 10, 11, and G 18, 19.
FSS	F-06	Fenceline at AA-5	10/25/2022	16:55	212549	66.0	292.039	28.8	97.543	43789	ND	ND	8.90	126	SE	80%	Cloudy	Y	N	Y	AA-5 (10252022)		GSI decontaminating excavators.
FSS	F-01	West of cell A18	10/26/2022	11:10	212549	47.8	281.928	29.0	98.220	43789	ND	ND	38.00	278	W	89%	Light rain	Y	Y	N/A	AA-1 (10262022)		Sample run cancelled due to cable moving.
FSS	F-02	West of cell H8	10/26/2022	11:38	212549	48.0	282.039	29.0	98.220	43789	4.66	25.65	38.00	269	W	89%	Light rain	Y	N	Y	AA-1 (10262022)		GSI foaming and mixing in C 7, 8, 10, 11, and G 18, 19, 8, 9, 10
FSS	F-03	Fenceline at AA-1	10/26/2022	12:05	212549	48.6	282.372	29.0	98.220	43789	ND	ND	20.10	279	W	89%	Light rain	Y	N	Y	AA-1 (10262022)		GSI foaming and mixing in C 7, 8, 10, 11.
FSS	F-04	West of cell A18	10/26/2022	13:54	212549	51.3	283.872	29.1	98.559	43789	ND	ND	24.60	298	NW	78%	Cloudy	Y	N	Y	AA-1 (10262022)		GSI foaming and mixing in C 7, 8, 10, 11
FSS	F-05	West of cell A18	10/26/2022	14:08	212549	51.3	283.872	29.1	98.559	43789	ND	ND	20.10	327	NW	74%	Cloudy	N	N	Y	AA-1 (10262022) AA-2 (10262022)		GSI foaming and mixing in C 8, 9, 10, 11.
FSS	F-06	West of IS2	10/26/2022	14:29	212549	51.8	284.150	29.1	98.559	43789	2.00	10.96	38.00	317	NW	70%	Cloudy	N	N	Y	AA-2 (10262022)		GSI foaming and mixing in C 8, 9, 10, 11.
FSS	F-07	Fenceline at AA-2	10/26/2022	15:12	212549	52.3	284.428	29.1	98.559	43789	1.40	7.67	35.80	282	W	69%	Cloudy	Y	N	Y	AA-2 (10262022)		GSI foaming and mixing in C 8, 9, 10, 11.
FSS	F-08	Fenceline at AA-2	10/26/2022	15:41	212549	54.3	285.539	29.1	98.559	43789	ND	ND	24.60	280	W	66%	Partly Cloudy	Y	N	Y	AA-2 (10262022)		GSI foaming and mixing in C 8, 9, 10, 11.
FSS	F-09	West of IS2	10/26/2022	16:25	212549	53.2	284.928	29.1	98.559	43789	ND	ND	42.50	332	NW	64%	Partly Cloudy	Y	N	Y	AA-2 (10262022)		GSI foaming and mixing in C 7, 8, 10, 11, and E 23, 24, 30, 36.
FSS	F-10	West of IS2	10/26/2022	16:47	212549	52.7	284.650	29.1	98.559	43789	3.63	19.86	26.80	282	W	63%	Partly Cloudy	N	N	Y	AA-2 (10262022)		GSI foaming and mixing in C 7, 8, 10, 11, and E 23, 24, 30, 36.
FSS	F-11	Fenceline at AA-3	10/26/2022	17:20	212549	54.7	285.761	29.1	98.559	43789	ND	ND	31.30	287	W	60%	Partly Cloudy	Y	N	Y	AA-3 (10262022)		GSI foaming and mixing in C 7, 8, 10, 11, and E 23, 24, 30, 36.
FSS	F-01	West of cell A1	10/27/2022	10:21	212549	45.1	280.428	29.5	99.914	43789	ND	ND	17.90	76	E	74%	Sunny	Y	N	Y	AA-4 (10272022)		GSI foaming and mixing in C 7, 8, 10, 11, and E 23, 24, 30, 36.
FSS	F-02	Fenceline at AA-4	10/27/2022	10:52	212549	46.0	280.928	29.5	99.914	43789	ND	ND	24.60	76	E	70%	Sunny	Y	N	Y	AA-4 (10272022)		GSI foaming and mixing in C 7, 8, 10, 11, and E 23, 24, 30, 36.
FSS	F-03	Fenceline at AA-4	10/27/2022	11:18	212549	48.0	282.039	29.5	99.914	43789	ND	ND	8.90	69	NE	70%	Sunny	Y	N	Y	AA-4 (10272022)		GSI foaming and mixing in C 7, 8, 10, 11, and E 23, 24, 30, 36.
FSS	F-04	Fenceline at AA-4	10/27/2022	11:44	212549	49.1	282.650	29.5	99.914	43789	ND	ND	38.00	74	E	68%	Sunny	Y	N	Y	AA-4 (10272022)		GSI foaming and mixing in C 7, 8, 10, 11, and E 23, 24, 30, 36.
FSS	F-05	Fenceline at AA-4	10/27/2022	12:11	212549	50.4	283.372	29.5	99.914	43789	ND	ND	20.10	94	E	67%	Sunny	Y	N	Y	AA-4 (10272022)		GSI foaming and mixing in C 7, 8, 10, 11, and E 23, 24, 30, 36.
FSS	F-06	North-west of cell A1	10/27/2022	12:48	212549	51.4	283.928	29.5	99.914	43789	ND	ND	24.60	80	E	62%	Sunny	Y	N	Y	AA-4 (10272022)		GSI foaming and mixing in C 7, 8, 10, 11, and E 23, 24, 30, 36.
FSS	F-07	Fenceline at AA-4	10/27/2022	14:54	212549	55.9	286.428	29.4	99.575	43789	ND	ND	17.90	75	E	56%	Sunny	Y	N	Y	AA-4 (10272022)		GSI conducting excavator maintenance.
FSS	F-08	Fenceline at AA-4	10/27/2022	16:07	212549	55.8	286.372	29.4	99.575	43789	1.79	9.84	24.60	50	NE	54%	Partly Cloudy	Y	N	Y	AA-4 (10272022)		GSI foaming and mixing in C 7, 8, 10, 11, and E 21, 22, 28, 29, 34, 35 E.
FSS	F-09	Fenceline at AA-4	10/27/2022	16:35	212549	56.1	286.539	29.4	99.575	43789	1.51	8.29	8.90	71	NE	54%	Partly Cloudy	Y	N	Y	AA-4 (10272022)		GSI foaming and mixing in C 7, 8, 10, 11, and E 21, 22, 28, 29, 34, 35 E.
FSS	F-10	Fenceline at AA-4	10/27/2022	17:01	212549	55.6	286.261	29.4	99.575	43789	ND	ND	17.90	39	NE	53%	Partly Cloudy	Y	N	Y	AA-4 (10272022)		GSI foaming and mixing in C 7, 8, 10, 11, and E 21, 22, 28, 29, 34, 35 E.
FSS	F-01	Fenceline at AA-4	10/28/2022	10:43	212549	48.7	282.428	29.5	99.914	43789	ND	ND	6.70	59	NE	72%	Sunny	Y	N	Y	AA-4 (10282022)		GSI foaming and mixing in cells E 21, 22, 28, 29, 35, 36.
FSS	F-02	Fenceline at AA-4	10/28/2022	10:56	212549	50.0	283.150	29.5	99.914	43789	ND	ND	13.40	106	E	69%	Sunny	N	N	Y	AA-4 (10282022)		GSI foaming and mixing in cells E 21, 22, 28, 29, 35, 36.
FSS	F-03	Fenceline at AA-4	10/28/2022	12:06	212549	54.1	285.428	29.5	99.914	43789	4.87	26.94	8.90	59	NE	62%	Sunny	Y	N	Y	AA-4 (10282022)		GSI foaming and mixing in cells E 21, 22, 28, 29, 35, 36.
FSS	F-04	Fenceline at AA-4	10/28/2022	12:36	212549	55.6	286.261	29.5	99.914	43789	ND	ND	13.40	69	NE	60%	Sunny	Y	N	Y	AA-4 (10282022)		GSI foaming and mixing in cells E 21, 22, 28, 29, 35, 36.
FSS	F-05	Fenceline at AA-4	10/28/2022	14:45	212549	61.5	289.539	29.5	99.914	43789	ND	ND	20.10	57	NE	50%	Sunny	Y	N	Y	AA-4 (10282022)		GSI foaming and mixing in cells E 21, 22, 28, 29, 35, 36.
FSS	F-06	Directly above 153, 54, 57 (mixed with concrete)	10/28/2022	15:12	212549	63.5	290.650	29.4	99.575	43789	ND	ND	26.80	67	NE	46%	Sunny	Y	N	Y	AA-4 (10282022)		GSI foaming and mixing in cells E 21, 22, 28, 29, 35, 36.
FSS	F-07	Directly above B3 (mixed with concrete)	10/28/2022	15:42	212549	63.7	290.761	29.4	99.575	43789	12.55	67.92	13.40	56	NE	46%	Sunny	Y	N	Y	AA-4 (10282022)		GSI decontaminating excavators.

TABLE 3 - FROG Air Monitoring Log
RACER Trust - Kokomo, IN
Former GM Delco Plant 5
October 7, 2022 through November 4, 2022

Sampler	Sample Location (REFER TO DAILY MAPS)	Describe Location	Date	Time	Weather Station ID	Temp (Deg F)	Temp (K)	Pressure ("Hg)	Pressure (kPa)	FROG ID	TCE (ppbV)	Calculated TCE* (µg/m3)	Wind Speed (mph)	Wind Direction (degrees)	Wind Direction From?	Humidity (%)	Weather Conditions	Did you run blank before sample? (Y/N)	Did sample and early? (Y/N)	Unidentified Detections (Y/N)	Lab Sample ID	Results (µg/m3) 2.34 µg/m3	Observations During VOCAM Sample Collection
Exceedences are Shaded Gray										(from Pine)	NA	2.24											
TW	F-01	N of A1	10/31/2022	10:55	212549	63.7	290.761	29.0	98.220	23563	55.25	294.96	26.80	144	SE	80%	Cloudy	Y	N	N	AA-5 (10312022)		GSI mixing in cells F1-F6
TW	F-02	N of A1	10/31/2022	11:18	212549	64.6	291.261	29.0	98.220	23563	ND	ND	42.50	187	S	81%	Cloudy	Y	N	N	AA-5 (10312022)		GSI mixing in cells F1-F6
TW	F-03	N of A1	10/31/2022	12:05	212549	65.3	291.650	29.0	98.220	23563	ND	ND	31.30	190	S	79%	Cloudy	N	N	N	AA-5 (10312022)		GSI mixing in cells F1-F6
TW	F-04	At AA-4	10/31/2022	14:39	212549	63.3	290.539	28.9	97.881	23563	ND	ND	17.90	208	SW	84%	Cloudy/Rainy	N	N	N	AA-4 (10312022)		GSI mixing in cells F1-F6
TW	F-01	E of G10	11/1/2022	13:30	212549	64.0	290.928	29.3	99.236	23563	ND	ND	13.40	300	NW	64%	Sunny	Y	N	Y	AA-2(11012022)		GSI mixing and foaming in cells F1 and F6 and B24
TW	F-02	E of B37	11/1/2022	13:54	212549	66.0	#REF1	29.3	99.236	23563	ND	ND	8.90	267	W	60%	Sunny	N	N	Y	AA-1(11012022)		GSI mixing and foaming in cells F1 and F6 and B24
TW	F-03	E of B37	11/1/2022	14:26	212549	67.1	292.039	29.3	99.236	23563	ND	ND	24.60	275	W	54%	Sunny	N	N	Y	AA-1(11012022)		GSI mixing and foaming in F cells
TW	F-04	NE of A9	11/1/2022	14:46	212549	68.0	293.150	29.3	99.236	23563	5.86	31.35	2.20	243	SW	53%	Sunny	N	N	Y	AA-1(11012022)		GSI mixing and foaming in F cells
TW	F-05	Fenceline N of AA-1	11/1/2022	15:07	212549	68.5	293.428	29.3	99.236	23563	ND	ND	20.10	283	W	50%	Sunny	N	N	Y	AA-1(11012022)		GSI mixing and foaming in F cells
TW	F-06	E of A9	11/1/2022	15:34	212549	68.9	293.650	29.3	99.236	23563	ND	ND	8.90	279	W	48%	Sunny	N	N	Y	AA-1(11012022)		GSI mixing and foaming in F cells
TW	F-07	E of E24	11/1/2022	16:59	212549	69.4	293.928	29.3	99.236	23563	ND	ND	20.10	287	W	45%	Sunny	N	N	Y	AA-1(11012022)		Decomring one excavator, building base of excavation with other one
TW	F-08	E of E24	11/1/2022	17:24	212549	68.9	293.650	29.3	99.236	23563	ND	ND	17.90	238	SW	46%	Sunny	N	N	Y	AA-1(11012022)		Putting excavator out of excavation
TW	F-01	N of A1	11/2/2022	11:52	212549	65.0	291.483	29.4	99.575	23563	14.08	76.02	NA	180	S	NA	Sunny	Y	N	Y	AA-5(11022022)		GSI operating two excavators: mixing and foaming in H and F cells
TW	F-02	Fenceline AA-5	11/2/2022	12:31	212549	65.0	291.483	29.4	99.575	23563	ND	ND	NA	180	S	NA	Sunny	Y	N	N	AA-5(11022022)		GSI operating two excavators: mixing and foaming in H and F cells
TW	F-03	E of E6	11/2/2022	12:58	212549	66.0	292.039	29.4	99.575	23563	ND	ND	NA	210	SW	NA	Sunny	Y	N	N	AA-1(11012022)		GSI operating two excavators: mixing and foaming in H and F cells
TW	F-04	N of A1	11/2/2022	13:16	212549	66.0	292.039	29.4	99.575	23563	ND	ND	NA	180	S	NA	Sunny	N	N	N	AA-5(11022022)		GSI mixing in H cells and moving equipment in excavation
TW	F-05	N of A1	11/2/2022	13:52	212549	67.0	292.594	29.4	99.575	23563	11.4	61.31	NA	180	S	NA	Sunny	N	N	N	AA-5(11022022)		GSI operating two excavators: mixing and foaming in H and F cells. Only one mixing section being foamed
TW	F-06	Fenceline AA-5	11/2/2022	14:18	212549	68.0	293.150	29.4	99.575	23563	ND	ND	NA	180	S	NA	Sunny	Y	N	N	AA-5(11022022)		GSI operating two excavators: mixing and foaming in H and F cells.
TW	F-07	Fenceline AA-1	11/2/2022	14:38	212549	69.0	293.706	29.4	99.575	23563	ND	ND	NA	210	SW	NA	Sunny	N	N	N	AA-1(11022022)		GSI operating two excavators: mixing and foaming in H and F cells.
TW	F-08	East side of MSA stockpile	11/2/2022	14:59	212549	72.0	295.372	29.4	99.575	23563	ND	ND	5.00	150	SE	47%	Sunny	N	N	N	AA-5(11022022)		GSI operating two excavators: mixing and foaming in H and F cells.
TW	F-09	E of A9	11/2/2022	16:16	212549	73.0	295.928	29.4	99.575	23563	ND	ND	4.00	180	S	45%	Sunny	N	N	N	AA-1(11022022)		GSI operating two excavators: mixing and foaming in H and F cells.
TW	F-10	N of A1	11/2/2022	16:35	212549	73.0	295.928	29.4	99.575	23563	8.57	45.57	4.00	145	SE	45%	Sunny	N	N	N	AA-5(11022022)		GSI mixing and foaming in F cells
TW	F-01	N of A1	11/3/2022	10:36	212549	61.0	289.261	29.4	99.575	23563	ND	ND	4.00	170	S	78%	Sunny	Y	N	N	AA-5(11032022)		GSI mixing and foaming in F cells
TW	F-02	N of A1	11/3/2022	10:57	212549	61.0	289.261	29.4	99.575	23563	4.22	22.96	4.00	170	S	76%	Sunny	N	N	N	AA-5(11032022)		GSI mixing in F cells
TW	F-03	Fenceline AA-5	11/3/2022	11:21	212549	63.0	290.372	29.4	99.575	23563	ND	ND	5.00	180	S	74%	Sunny	Y	N	N	AA-5(11032022)		GSI mixing in F cells
TW	F-04	N of A6	11/3/2022	14:06	212500	68.5	293.428	29.3	99.236	23563	5.74	30.68	6.70	130	SE	49%	Sunny	N	N	Y	AA-5(11032022)		GSI mixing and foaming in F cells
TW	F-05	Northwest corner of MSA stockpile	11/3/2022	14:35	212500	69.1	293.761	29.3	99.236	23563	ND	ND	20.10	190	S	45%	Sunny	Y	N	Y	AA-5(11032022)		GSI mixing in F cells
TW	F-06	North side of MSA stockpile	11/3/2022	14:58	212500	68.7	293.539	29.3	99.236	23563	ND	ND	8.90	151	SE	45%	Sunny	N	N	N	AA-5(11032022)		GSI mixing and foaming in F cells
TW	F-01	N of A5	11/4/2022	11:38	212500	65.0	291.483	29.2	98.897	23563	12.66	67.88	42.50	156	SE	60%	Partly cloudy	Y	N	N	AA-5(11042022)		GSI mixing and foaming in G cells
TW	F-02	Fenceline at AA-5	11/4/2022	12:27	212500	65.8	291.928	29.1	98.559	23563	ND	ND	20.10	169	S	59%	Partly cloudy	Y	N	N	AA-5(11042022)		No earthwork occurring
TW	F-03	N of A 7	11/4/2022	13:19	212500	68.9	293.650	29.1	98.559	23563	ND	ND	38.00	194	S	53%	Partly cloudy	N	N	N	AA-5(11042022)		GSI mixing and foaming in G and H cells
TW	F-04	N of A (Even with Arcadis Trailer)	11/4/2022	13:44	212500	69.6	294.039	29.1	98.559	23563	ND	ND	42.50	155	SE	51%	Partly cloudy	N	N	N	AA-5(11042022)		GSI mixing and foaming in G and H cells
TW	F-05	N of A1	11/4/2022	14:12	212500	69.3	293.872	29.1	98.559	23563	ND	ND	44.70	189	S	52%	Partly cloudy	N	N	N	AA-5(11042022)		GSI mixing and foaming in F cells
TW	F-06	N of A1	11/4/2022	14:32	212500	70.9	294.761	29.1	98.559	23563	3.96	20.93	35.80	195	S	49%	Partly cloudy	N	N	N	AA-5(11042022)		GSI mixing and foaming in F cells
TW	F-07	Fenceline at AA-5	11/4/2022	15:03	212500	71.6	295.150	29.1	98.559	23563	ND	ND	31.30	171	S	49%	Sunny	Y	N	N	AA-5(11042022)		GSI mixing and foaming in F cells
TW	F-08	E of E11	11/4/2022	15:30	212500	71.2	294.928	29.1	98.559	23563	ND	ND	53.70	155	SE	48%	Sunny	N	N	N	AA-5(11042022)		GSI mixing and foaming in F cells
TW	F-09	N of A1	11/4/2022	16:11	212500	71.4	295.039	29.1	98.559	23563	4.69	24.76	24.60	139	SE	48%	Sunny	N	N	N	AA-5(11042022)		GSI mixing in F cells

TABLE 4 - Ambient Air Monitoring: Laboratory Analytical Results
Former GM Delco Plant 5
RACER Trust
Kokomo, Indiana
July 18, 2022 through November 4, 2022

DRAFT - NOT VALIDATED



Deployed Date	Collected Date	Contractor Work Occurring	Wind Direction From	Downwind Location(s)	AA-1	AA-2	AA-3	AA-4	AA-5	Corrective Actions
Baseline										
7/18/2022	7/19/2022	NA	SE, 10-20 mph	AA-4, AA-5	<0.81	<0.85	<0.81	<0.83	<0.81	NA
Excavation (First 5 Days)										
7/20/2022	7/21/2022	Excavation of overburden	E, 5-25 mph	AA-4	<0.90	<0.93	<0.88	<0.88	<0.88	NA
7/21/2022	7/22/2022	Excavation of overburden	SE, 10-20 mph	AA-4, AA-5	<0.83	<0.86	<0.88	<0.90	<0.86	NA
7/25/2022	7/26/2022	Excavation of overburden	SE, 10 mph	AA-4, AA-5	<0.81	<0.93	<0.80	<0.85	<0.83	NA
7/26/2022	7/27/2022	Excavation of overburden	N, 15-35 mph	AA-3	<0.98	<0.80	<0.80	<0.81	1.6	NA
7/27/2022	7/28/2022	Excavation of overburden	NNE, 10-35 mph	AA-3, AA-4	<0.80	<0.81	<0.80	<1.7	<1.0	NA
VOCAM Exceedance During Excavation										
8/10/2022	8/11/2022	Confirm VOCAM Exceedance	NNW, 15-25 mph	AA-2, AA-3	NS	NS	NS	1.6	NS	NA
ZVI Mixing (First 5 Days)										
8/23/2022	8/24/2022	Mixing J31	NW, 20 mph, 8/23 PM	AA-2, AA-3	3.6	7.3	5.5	1.6	<0.88	NA
8/24/2022	8/25/2022	J32, 33, 37	N, 9 mph, 8/24 PM	AA-3	3.4	2.6	1.4	7.3	<0.85	NA
8/25/2022	8/26/2022	J1, 2, 7, 8	WSW, 25 mph, 8/25 PM N, 20 mph, 8/26 AM	AA-5, AA-1, AA-2 AA-3 (8/26 PM)	1.9	3.1	1.4	<0.83	<0.86	NA
8/29/2022	8/30/2022	I153, 154, 157	SSW, 35 mph, 8/29 AM	AA-5, AA-1, AA-2	12.3	<0.79	0.87	<0.88	<0.92	NA
8/30/2022	8/31/2022	I39, 40	W, 30 mph, 8/30 AM	AA-1, AA-2	2.7	49.3	<0.85	<0.85	<0.81	NA
ZVI Mixing (Continued)										
9/7/2022	9/8/2022	G1, 2, 4, 12 G1, 2, 4, 12	N, 10 mph, 9/7 PM N, 10 mph, 9/8 AM	AA-3 AA-3	1.5	4.9	21.3	103	<0.79	Slowed mixing process, foamed open ISS area, added additional slurry to coat dry soils, added water to cell.
9/8/2022	9/9/2022	Cells G & B	N, 10 mph, 9/8 PM E, 7 mph, 9/9 AM	AA-3 AA-4	<0.85	<0.81	<0.81	10	<0.85	Foamed open ISS area, mixed throughout day in G and B cells
9/9/2022	9/10/2022	A19, 20, 28, 29 A19, 20, 28, 29	SE, 15 mph, 9/9 PM N, 2 mph, 9/10 AM	AA-4, AA-5 AA-3	<0.79	<0.85	<0.81	11.3	3.7	Foamed open ISS area, mixed throughout day in B and A cells
9/12/2022	9/13/2022	A24, 25, 33, 34	SW, 20 mph	AA-5, AA-1, AA-2	12.3	1.3	<0.81	<0.83	<0.85	Foamed open ISS area, mixed throughout day in A cells
9/13/2022	9/14/2022	G1, 2, 11, 12	WSW, 20 mph	AA-5, AA-1, AA-2	16	11.8	2.4	10.9	4.4	Foamed open ISS area, mixed throughout day in G cells, installed trash pump to transfer water from Area E
9/13/2022	9/13/2022	G1, 2, 11, 12	WSW, 20 mph	AA-5, AA-1, AA-2	32.2	6.1	<0.83	<0.83	<0.83	Foamed open ISS area, mixed throughout day in G cells, installed trash pump to transfer water from Area E
9/13/2022	9/14/2022	Overnight, no work occurring	WSW, 20 mph	AA-5, AA-1, AA-2	8.9	9.9	4.7	21.1	8.2	Foamed open ISS area, mixed throughout day in G cells, installed trash pump to transfer water from Area E
9/14/2022	9/15/2022	G5, 6, 15, 16, 22, 23	N, 5 mph, 9/14 AM SSW, 5 mph, 9/14 PM	AA-3 AA-5, AA-1, AA-2	6.5	10.9	5.1	20	2.1	Relocated broken concrete, foamed open ISS area, mixed throughout day in G and C cells
9/14/2022	9/14/2022	G5, 6, 15, 16, 22, 23	N, 5 mph, 9/14 AM SSW, 5 mph, 9/14 PM	AA-5/AA-10, AA-1/AA-6 AA-5/AA-10, AA-1/AA-6	5.7	10.1	2.5	18	<0.83	Relocated broken concrete, foamed open ISS area, mixed throughout day in G and C cells
9/14/2022	9/15/2022	Overnight, no work occurring	SSW, 5 mph	AA-5/AA-10, AA-1/AA-6 AA-5/AA-10, AA-1/AA-6	NS	10	6.2	21.4	3.2	Relocated broken concrete, foamed open ISS area, mixed throughout day in G and C cells
9/15/2022	9/16/2022	E11, 37, 14, 15 H1, 2, 5, 6	N, 6.7 mph SW, 9 mph	AA-3 AA-5, AA-1, AA-2	0.8	<0.83	<0.73	2.9	2.4	Breaking and relocating concrete, foamed open ISS area when applicable, mixed throughout day in E cells
9/19/2022	9/20/2022	G7, 17, 24 C1, 2, 3	W, 20 mph NW, 10 mph	AA-1, AA-2 AA-1, AA-2, AA-3	5.8	16	22.5	16.3	1	Foamed open ISS area, mixed throughout day in G and C cells
9/20/2022	9/21/2022	C1, 2, 3 C7, 8, 10, 11	SW, 15 mph S, 35 mph	AA-1, AA-2, AA-5 AA-5	<0.85	<0.85	<0.83	<0.81	8.3	Broke concrete, foamed open ISS area, mixed throughout day in C cells
Pause Mixing										
9/21/2022	9/22/2022	Transferring soil from stockpile and covering completed cells	S, 25 mph WSW, 30 mph	AA-5 AA-1, AA-2, AA-5	4.9	4.6	<0.71	<0.76	<0.79	Transferred soil from stockpile and covered ZVI-mixed cells.
9/22/2022	9/23/2022	Transferring soil from stockpile and covering completed cells	WNW, 20 mph NW, 30 mph	AA-1, AA-2, AA-3 AA-1, AA-2, AA-3	<0.81	4.2	8.1	11.4	<0.79	Transferred soil from stockpile and covered ZVI-mixed cells.
9/23/2022	9/24/2022	Transferring soil from stockpile and covering completed cells	ESE, 5-20 mph S, 5-20 mph	AA-4 AA-4, AA-5	<1.0	<0.86	3.4	1.3	1.2	Transferred soil from stockpile and covered ZVI-mixed cells.
9/26/2022	9/27/2022	No activities in excavation	NW, 25-50 mph W, 2-15 mph	AA-2, AA-3 AA-1, AA-2, AA-3	1.9	2.7	<0.88	<0.80	<0.80	No dirt work occurring.
9/27/2022	9/28/2022	No activities in excavation	WNW, 25-50 mph NW, 2-10 mph	AA-1, AA-2, AA-3 AA-2, AA-3	<0.83	1.6	1.2	<0.90	<0.83	No dirt work occurring.
9/28/2022	9/29/2022	No activities in excavation	NE, 20-30 mph N, 0-5 mph	AA-4, AA-3 AA-3	<0.81	<0.80	1.6	5.4	<0.88	No dirt work occurring.
10/3/2022	10/4/2022	No activities in excavation	NE, 10-35 mph ENE, 0-5 mph	AA-4, AA-3 AA-4	<0.79	<0.79	<0.80	5.5	<0.80	- No dirt work occurring. - Watered overburden.
Cement Mixing										
10/4/2022	10/5/2022	Cement mixing: J1-J12	ENE, 10-20 mph N, 0 mph overnight	AA-4 AA-3	1.6	2.1	2.1	3.8	<1.3	- Short term foam during mixing, then long term foam after completed
10/5/2022	10/6/2022	Cement mixing J17, 18, 23, 24, 29, 30, 35, 36, 39, 40	W, 10-25 mph SW, 0-5 mph overnight	AA-1, AA-2 AA-1, AA-2, AA5	1.1	0.99	2.6	1.3	3.0	- Sprayed water over overburden in completed ZVI mixed cells - Continuously foamed open excavation during PC mixing, - Covered completed PC mixed cells with short term foam - Placed overburden on yesterday's PC mixed cells
10/6/2022	10/7/2022	Cement mixing: J31, 32, 19, 20, 25, 26, 13, 14; I21, 22, 32, 23, 24, 33, 34	WSW, 5-40 mph NNW, 10-35 mph	AA-1, AA-2, AA-3 AA-2, AA-3	<0.76	<0.88	<1.0	<0.88	<1.2	- Sprayed water over overburden in completed ZVI mixed cells - Continuously foamed open excavation during PC mixing - Moved overburden soils from stockpile to Area I for PC mixing berm - Covered completed PC mixed cells with short term foam
10/7/2022	10/8/2022	Cement mixing: I15, 16, 25, 26, 35, 60, 41, 42, 43, 45, 46, 49, 50; J15, 16, 21, 22, 27, 28	NNW, 10-40 mph	AA-2, AA-3	<0.77	<0.76	1.2	0.94	<0.81	- Sprayed water over overburden in completed ZVI mixed cells - Continuously foamed open excavation during PC mixing, - Moved overburden soils from stockpile to Area I for PC mixing berm - Sprayed long term foam on Area H and G - Covered completed PC mixed cells with short term foam

TABLE 4 - Ambient Air Monitoring: Laboratory Analytical Results
Former GM Delco Plant 5
RACER Trust
Kokomo, Indiana
July 18, 2022 through November 4, 2022

DRAFT - NOT VALIDATED



Deployed Date	Collected Date	Contractor Work Occurring	Wind Direction From	Downwind Location(s)	AA-1	AA-2	AA-3	AA-4	AA-5	Corrective Actions
Cement Mixing (continued)										
10/10/2022	10/11/2022	Cement mixing: 153,54,57,55,56,58,59,44,47,48,51,52,20,30,31,39,40	S, 10-45 mph	AA-5	<0.79	<0.81	<0.81	<0.81	1.1	- Sprayed water over overburden in completed ZVI mixed cells - Continuously foamed open excavation during PC mixing, - Moved overburden soils from stockpile to Area I for PC mixing berm - Covered completed PC mixed cells with short term foam
10/11/2022	10/12/2022	Cement mixing: 118,19,28,29,37,38,17,27,36,3,4,5,8,9,10,13,14	S, 15-50 mph	AA-5	<0.92	<0.77	<0.79	<0.83	1.4	- Sprayed water over overburden in completed ZVI mixed cells - Continuously foamed open excavation during PC mixing, - Covered completed PC mixed cells with short term foam - Sprayed long term foam on Areas D, E, F, G
10/12/2022	10/13/2022	Cement mixing: 11,2,7,8,11,2; A1,10	S-SW, 25-60 mph	AA-5, AA-1, AA-2	<0.81	<0.81	<0.80	<0.80	<0.81	- Sprayed water over overburden in completed ZVI mixed cells - Continuously foamed open excavation during PC mixing, - Moved overburden soils from stockpile to Area I for PC mixing berm - Covered completed PC mixed cells with short term foam
10/13/2022	10/14/2022	Cement mixing: A2,3,11,12,4,5,13,14,6,7,15,16	W-SW, 15-40 mph	AA-1, AA-2	<0.92	1.1	<0.81	<0.74	<0.81	- Sprayed water over overburden in completed ZVI mixed cells - Continuously foamed open excavation during PC mixing, - Moved overburden soils from stockpile to Area A for PC mixing berm - Sprayed long term foam on Areas B,C,D,E,F,G,H - Covered completed PC mixed cells with short term foam
10/14/2022	10/15/2022	Cement mixing: A8,9,17,18,19,28; B1,2,3,4,5	W, S, 20-55 mph	AA-5, AA-1, AA-2	<0.83	<0.85	<0.86	<0.81	<0.86	- Continuously foamed open excavation during PC mixing, - Moved overburden soils from stockpile to Area A and B for PC mixing berm - Covered completed PC mixed cells with long term foam
10/17/2022	10/18/2022	Cement mixing: A26,27,35,36,20,21,27,30; B6,7,8,9	W, 25-55 mph	AA-1, AA-2	2.7	1.1	<1.3	<0.79	<1.0	- Continuously foamed open excavation during PC mixing, - Moved overburden soils from stockpile to Area A and B for PC mixing berm - Covered completed PC mixed cells with long term foam
10/18/2022	10/19/2022	Cement mixing: A22,23,31,32,24,25,33,34	W, 25-40 mph	AA-1, AA-2	0.77	0.85	<0.79	<0.79	<0.80	- Continuously foamed open excavation during PC mixing, - Moved overburden soils from stockpile to Area A for PC mixing berm - Covered completed PC mixed cells with long term foam
10/19/2022	10/20/2022	Cement mixing: E2,4,8,1,2,5,6,7	W-SW, 25-40 mph	AA-5, AA-1, AA-2	2.5	<0.76	<0.75	<1.0	<0.73	- Continuously foamed open excavation during PC mixing, - Moved overburden soils from stockpile to Area E for PC mixing berm - Covered completed PC mixed cells with long term foam
ZVI Mixing										
10/20/2022	10/21/2022	ZVI mixing: Started C4,5	SW, 35-45 mph	AA-5, AA-1, AA-2	<0.81	<0.83	<0.83	<0.85	NS	- Continuously foamed open excavation during ZVI mixing, - Covered ZVI mixed cells with long term foam *valve on AA-5 was closed during sampling period; therefore, sample was cancelled
10/24/2022	10/25/2022	ZVI mixing: Completed C4,5	S-SE, 5-35 mph	AA-4, AA-5	<0.81	<0.83	<0.77	NS	1.5	- Continuously foamed open excavation during ZVI mixing, - Moved overburden soils from stockpile to Area E for ZVI mixing berm - Covered ZVI mixed cells with long term foam *AA-4 was received with too high vacuum; therefore, was cancelled
10/25/2022	10/26/2022	ZVI mixing: Started C7,8,10,11 Completed G25,26 Started G8,9,10,18,19	SE, 5-25 mph	AA-4, AA-5	<0.81	<0.85	<0.81	<0.81	15.0	- Continuously foamed open excavation during ZVI mixing, - Moved overburden soils from stockpile to Area E for ZVI mixing berm - Covered ZVI mixed cells with short term foam *Mixing Cells C and G concurrently
10/26/2022	10/27/2022	ZVI mixing: Continued C7,8,10,11 Completed G8,9,10,18,19 E23,24,30,36	W-NW, 20-40 mph	AA-1, AA-2, AA-3	0.86	4.3	<0.81	5.6	<0.79	- Continuously foamed open excavation during ZVI mixing, - Moved overburden soils from stockpile to Area E for ZVI mixing berm - Covered ZVI mixed cells with short term foam *Mixing Cells C and G and C and E concurrently
10/27/2022	10/28/2022	ZVI mixing: Completed C7,8,10,11 Completed E23,24,30,36 Started E21,22,28,29,34,35	E-NE, 5-25 mph	AA-4	<0.81	<0.76	<0.58	1.2	<0.76	- Continuously foamed open excavation during ZVI mixing, - Moved overburden soils from stockpile to Area E for ZVI mixing berm - Covered ZVI mixed cells with short term foam *Mixing Cells C and E concurrently
10/28/2022	10/29/2022	ZVI mixing: Completed E21,22,28,29,34,35	NE, 5-25 mph	AA-4	<0.86	<0.93	<0.80	3.1	<0.86	- Continuously foamed open excavation during ZVI mixing, - Moved overburden soils from stockpile to Area E for ZVI mixing berm - Covered ZVI mixed cells with long term foam
10/31/2022	11/1/2022	ZVI mixing: Completed F11,12; Started F1,2,6,7 Cement Mixing: Completed E38; Started E16,17	SW-SE, 20-45 mph	AA-1, AA-5	9.1	3.2	2.0	1.9	3.6	- Continuously foamed open excavation during ZVI mixing, - Moved overburden soils from stockpile to Area F for ZVI mixing berm - Covered ZVI mixed cells with long term foam - Re-covered the MSA stockpile area
11/1/2022	11/2/2022	ZVI mixing: Continued F1,2,6,7 Cement Mixing: Completed E11,16,17,37	S-SW, 15-25 mph	AA-1, AA-5	1.5	1.1	<0.77	1.9	<0.80	- Continuously foamed open excavation during ZVI mixing, - Moved overburden soils from stockpile to Area F for ZVI & PC mixing berm - Covered ZVI & PC mixed cells with long term foam
11/2/2022	11/3/2022	ZVI mixing: Completed F6,7; Started F1,2 Cement Mixing: completed H1,2,5,6,3,4,7,8	S-SW-SE, 0-5 mph	AA-1, AA-4, AA-5	<0.69	<0.85	2.8	6.3	74.0	- Continuously foamed open excavation during ZVI mixing, - Moved overburden soils from stockpile for ZVI & PC mixing berm - Covered ZVI & PC mixed cells with long term foam
11/3/2022	11/4/2022	ZVI mixing: Continued F1,2	S-SE, 5-20 mph	AA-4, AA-5	< 0.79	< 1.0	< 0.83	< 0.81	4.8	- Continuously foamed open excavation during ZVI mixing, - Moved overburden soils from stockpile for ZVI & PC mixing berm - Covered ZVI mixed cells with long term foam
11/4/2022	11/5/2022	ZVI mixing: Continued F1,2 Cement Mixing: G20,21,22	S-SE, 20-55 mph	AA-4, AA-5	<0.86	<0.86	<0.88	<0.88	6.7	- Continuously foamed open excavation during ZVI mixing, - Moved overburden soils from stockpile for ZVI & PC mixing berm - Covered ZVI & PC mixed cells with long term foam
Deployed Date	Collected Date	Contractor Work Occurring	Wind Direction From	Downwind Location(s)	AA-6	AA-7	AA-8	AA-9	AA-10	Corrective Actions
Off-site Sampling										
9/14/2022	9/14/2022	Mixing J31	N, 5 mph, 9/14 AM SSW, 5 mph, 9/14 PM	AA-3/AA-8 AA-5/AA-10, AA-1/AA-6, AA-2/AA-7	4.7	6.2	2.3	<0.83	<0.77	Relocated broken concrete, Foamed open ISS area, mixed throughout day in G and C cells
9/14/2022	9/15/2022	Overnight, no work occurring	SSW, 5 mph	AA-5/AA-10, AA-1/AA-6, AA-2/AA-7	4.7	10.7	NS	9.0	4.0	Relocated broken concrete, Foamed open ISS area, mixed throughout day in G and C cells

Not all data has been validated in accordance with the Quality Assurance Project Plan, and should be considered DRAFT until validation is complete.

NS - Not Sampled

No duplicates are presented on this table.

Samples collected using 6-liter stainless steel canisters and analyzed via TO-15 for TCE only at Pace Analytical in Minneapolis, Minnesota.

µg/m³ - micrograms per cubic meter

TABLE 5 - Groundwater Analytical Data Summary
RACER Trust - Kokomo, IN
Former GM Delco Plant 5
July 29, 2022 through October 25, 2022



DRAFT - NOT VALIDATED

Sample Location	Sample Type	Date	Sample ID	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	1,1-Dichloroethane	1,1-Dichloroethene	2-Phenylbutane (sec-Butylbenzene)	Benzene	Carbon disulfide	Hexane	Tetrachloroethene	Toluene	Xylene (total)
Groundwater Screening Criteria				5	70	100	2	30	7	2000	5	800	2000	5	1,000	10,000
Transect 1																
MW-0517-S1	N	7/27/2022	MW-0517-S1 (072722)	3,350 J-	910	114	7.4	3.2 J	4.0 J	< 5.0 U	0.86 J	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U
MW-0517-S1	N	8/26/2022	MW-0517-S1 (082622)	2,140	532	78.8	2.1	< 5.0 U	1.7 J	< 5.0 U	0.59 J	0.73 J	< 5.0 U	< 5.0 U	< 5.0 UB	< 10.0 U
MW-0517-S1	N	9/26/2022	MW-0517-S1 (09262022)	2,960	765	106	2.8	2.2 J	2.4 J	< 5.0 U	0.74 J	< 10.0 U	< 5.0 U	< 5.0 U	0.20 J	< 10.0 U
MW-0517-S1	N	10/25/2022	MW-0517-S1 (102522)	3,240	786	99.2	1.9 J	< 25.0 U	2.1 J	NA	< 25.0 U	< 50.0 U	NA	< 25.0 U	< 25.0 U	< 50.0 U
MW-0604-S1	N	7/27/2022	MW-0604-S1 (072722)	1,960	691	86.2	35.0	2.7 J	3.8 J	< 5.0 U	0.49 J	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 10.0 U
MW-0604-S1	FD	7/27/2022	DUP-2 (072722)	2,280	790	91.9	36.9	3.0 J	4.2 J	< 5.0 U	0.54 J	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 10.0 U
MW-0604-S1	N	8/26/2022	MW-0604-S1 (082622)	1,200	452	46.9	14.4	1.1 J	1.6 J	< 5.0 U	0.28 J	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 10.0 U
MW-0604-S1	N	9/26/2022	MW-0604-S1 (09262022)	1,370	498	64.1	22.4	1.5 J	2.4 J	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U
MW-0604-S1	FD	9/26/2022	DUP-01 (09262022)-TW	1,630	557	51.2	16.0 J	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 100 U	< 50.0 U	< 50.0 U	< 50.0 U	< 100 U
MW-0604-S1	N	10/25/2022	MW-0604-S1 (102522)	2,290	901	83.6	34.7	< 25.0 U	3.1 J	NA	< 25.0 U	< 50.0 U	NA	< 25.0 U	< 25.0 U	< 50.0 U
MW-0621-S1	N	7/29/2022	MW-0621-S1 (072922)	2,290	356	30.2	< 2.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U
MW-0621-S1	N	8/26/2022	MW-0621-S1 (082622)	1,750	322	30.4	1.3 J	< 5.0 U	0.75 J	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 10.0 U
MW-0621-S1	N	9/26/2022	MW-0621-S1 (09262022)	1,870	314	29.7	1.3 J	< 5.0 U	0.69 J	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U
MW-0621-S1	N	10/25/2022	MW-0621-S1 (102522)	2,130	330	27.4	< 10.0 U	< 25.0 U	< 25.0 U	NA	< 25.0 U	< 50.0 U	NA	< 25.0 U	< 25.0 U	< 50.0 U
MW-2201-S1	N	7/29/2022	MW-2201-S1 (072922)	223	493	6.2	33.1	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U
MW-2201-S1	N	8/26/2022	MW-2201-S1 (082622)	226	866	9.5	44.4	2.9 J	2.1 J	0.31 J	0.42 J	< 10.0 U	1.1 J	< 5.0 U	< 5.0 UB	0.72 J
MW-2201-S1	N	9/26/2022	MW-2201-S1 (09262022)	937	2,070	38.9	184	1.7 J	6.6	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U
MW-2201-S1	N	10/25/2022	MW-2201-S1 (102522)	1490	2300	28.2 J	236	< 50.0 U	6.3 J	NA	< 50.0 U	< 100 U	NA	< 50.0 U	< 50.0 U	< 100 U
MW-2202-S1	N	7/29/2022	MW-2202-S1 (072922)	2,140	941	58.9	11.9	5.1	2.8 J	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 10.0 U
MW-2202-S1	N	8/26/2022	MW-2202-S1 (082622)	1,120	916	54.0	19.1	15.9	3.4 J	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	0.45 J
MW-2202-S1	FD	8/26/2022	DUP-01 (082622)	1,040	848	55.2	17.5	14.4	3.2 J	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	0.44 J
MW-2202-S1	N	9/26/2022	MW-2202-S1 (09262022)	1,820	815	68.8	14.3	5.5	4.2 J	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	0.30 J	< 10.0 U
MW-2202-S1	N	10/25/2022	MW-2202-S1 (10/25/22)	1,850	828	60.5	11.1	5.3 J	3.3 J	NA	< 25.0 U	< 50.0 U	NA	< 25.0 U	< 25.0 U	< 50.0 U
MW-2207-S1	N	7/29/2022	MW-2207-S1 (072922)	16,600	546	34.6	2.5	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	the	< 5.0 U	< 5.0 U	< 5.0 UB	< 10.0 U
MW-2207-S1	N	8/26/2022	MW-2207-S1 (082622)	17,100	595	33.2 J	< 20.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 100 U	< 50.0 U	< 50.0 U	< 50.0 UB	5.1 J
MW-2207-S1	N	9/26/2022	MW-2207-S1 (09262022)	10,800	617	32.5 J	< 20.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 100 U	< 50.0 U	< 50.0 U	< 50.0 U	< 100 U
MW-2207-S1	N	10/25/2022	MW-2207-S1 (102522)	14,600	676	< 500 U	< 200 U	< 500 U	< 500 U	NA	412 J	< 1,000 U	NA	< 500 U	< 500 U	< 1,000 U
MW-2207-S1	FD	10/25/2022	DUP-01 (102522)	14,700	655	< 500 U	< 200 U	< 500 U	< 500 U	NA	< 500 U	< 1,000 U	NA	< 500 U	< 500 U	< 1,000 U
MW-2211-S1	N	7/27/2022	MW-2211-S1 (072722)	878	726	62.7	5.6	6.1	4.0 J	< 5.0 U	0.67 J	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U
MW-2211-S1	N	8/26/2022	MW-2211-S1 (082622)	1,380	458	45.2	3.4	1.9 J	1.5 J	< 5.0 U	0.53 J	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U
MW-2211-S1	N	9/26/2022	MW-2211-S1 (09262022)	1,490	576	59.7	5.7	3.0 J	2.3 J	< 5.0 U	0.50 J	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U
MW-2211-S1	N	10/25/2022	MW-2211-S1 (102522)	582	801	49.3	3.2 J	5.6 J	2.6 J	NA	< 25.0 U	< 50.0 U	NA	< 25.0 U	< 25.0 U	< 50.0 U
MW-0619-S1	N	8/26/2022	MW-0619-S1 (082622)	2,470	277	44.2	2.4	< 5.0 U	1.6 J	< 5.0 U	1.3 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	0.46 J
MW-0619-S1	N	9/26/2022	MW-0619-S1 (09262022)	1,600	189	22.5 J	< 20.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 100 U	< 50.0 U	< 50.0 U	< 50.0 U	< 100 U
MW-0619-S1	N	10/25/2022	MW-0619-S1 (102522)	2,330	268	33.7	2.0 J	< 5.0 U	1.5 J	NA	< 5.0 U	< 10.0 U	NA	< 5.0 U	< 5.0 U	< 10.0 U
Transect 2																
MW-2206-S1	N	7/27/2022	MW-2206-S1 (072722)	16,700	576	117	< 40.0 U	< 100 U	< 100 U	< 100 U	< 100 U	< 200 U	< 100 U	< 100 U	< 100 U	< 200 U
MW-2206-S1	FD	7/27/2022	DUP-1 (1072722)	16,600	539	117	< 40.0 U	< 100 U	< 100 U	< 100 U	< 100 U	< 200 U	< 100 U	< 100 U	< 100 U	< 200 U
MW-2208-S1	N	7/27/2022	MW-2208-S1 (072722)	4,050	1,700	67.1	19.1 J+	< 5.0 U	3.7 J	< 5.0 U	< 5.0 U	2.0 J	< 5.0 U	< 5.0 U	< 5.0 UB	< 10.0 U
MW-2212-S1	N	7/27/2022	MW-2212-S1 (072722)	2,240	591	84.5	8.2	3.7 J	2.4 J	< 5.0 U	0.67 J	< 10.0 U	< 5.0 U	0.45 J	< 5.0 U	< 10.0 U
MW-2213-S1	N	7/27/2022	MW-2213-S1 (072722)	18.9	1,510	33.6	149	< 5.0 U	4.5 J	< 5.0 U	< 5.0 U	< 10.0 U	3.9 J	< 5.0 U	< 5.0 UB	0.39 J
MW-2210-S1	N	7/27/2022	MW-2210-S1 (072722)	973	340	31.9	44.6	< 5.0 U	0.82 J	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 10.0 U
MW-0102-S1	N	7/27/2022	MW-0102-S1 (072722)	378	231	10.6	1.3 J	< 5.0 U	0.88 J	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U
MW-0504-S1	N	7/27/2022	MW-0504-S1 (072722)	826	307	69.6	8.9 J+	3.7 J	1.8 J	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U
MW-0704-S1	N	7/29/2022	MW-0704-S1 (072922)	2,310	488	71.9	1.9 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U
MW-0705-S1	N	7/29/2022	MW-0705-S1 (072922)	31.6	31.7	3.8 J	< 2.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U
MW-2203-S1	N	7/27/2022	MW-2203-S1 (072722)	243	497	67.9	8.0	14.9	2.8 J	< 5.0 U	< 5.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10.0 U
MW-2204-S1	N	7/27/2022	MW-2204-S1 (072722)	6,570	522	29.9	9.7 J	< 25.0 U	3.9 J	< 25.0 U	< 25.0 U	< 50.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 50.0 U
MW-2205-S1	N	7/27/2022	MW-2205-S1 (072722)	3,200	268	25.8	< 10.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 50.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 50.0 U

NOTES:

Results presented in micrograms per liter (µg/L).

Not all data has been validated in accordance with the Quality Assurance Project Plan, and should be considered DRAFT until validation is complete.

Only chemicals detected one or more times during the remediation groundwater sampling program are presented. Constituents of concern that exceed the groundwater screening criteria are presented on the left of the table.

The data are screened against United States Environmental Protection Agency (USEPA) Drinking Water Screening Criteria (Maximum Contaminant Levels [MCLs]).

No MCL is established for 1,1-dichloroethane, carbon disulfide, hexane, or 2-Phenylbutane; as such, the Indiana Department of Environmental Management Risk-Based Closure Guide Long Term Residential Groundwater Screening Levels were used for screening purposes.

Detected concentrations are bolded.

Concentrations highlighted gray exceed the groundwater screening criteria.

* A baseline sample was not collected from MW-0619-S1 so the previous sample event is shown. This well exhibits seasonal fluctuation so the March 2022 data was not used for baseline comparison.

FD Field Duplicate Sample Type

J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N Normal Sample Type

NA Not Analyzed

U The compound was analyzed for but not detected.

UB Compound considered non-detect at the listed value due to associated blank contamination.

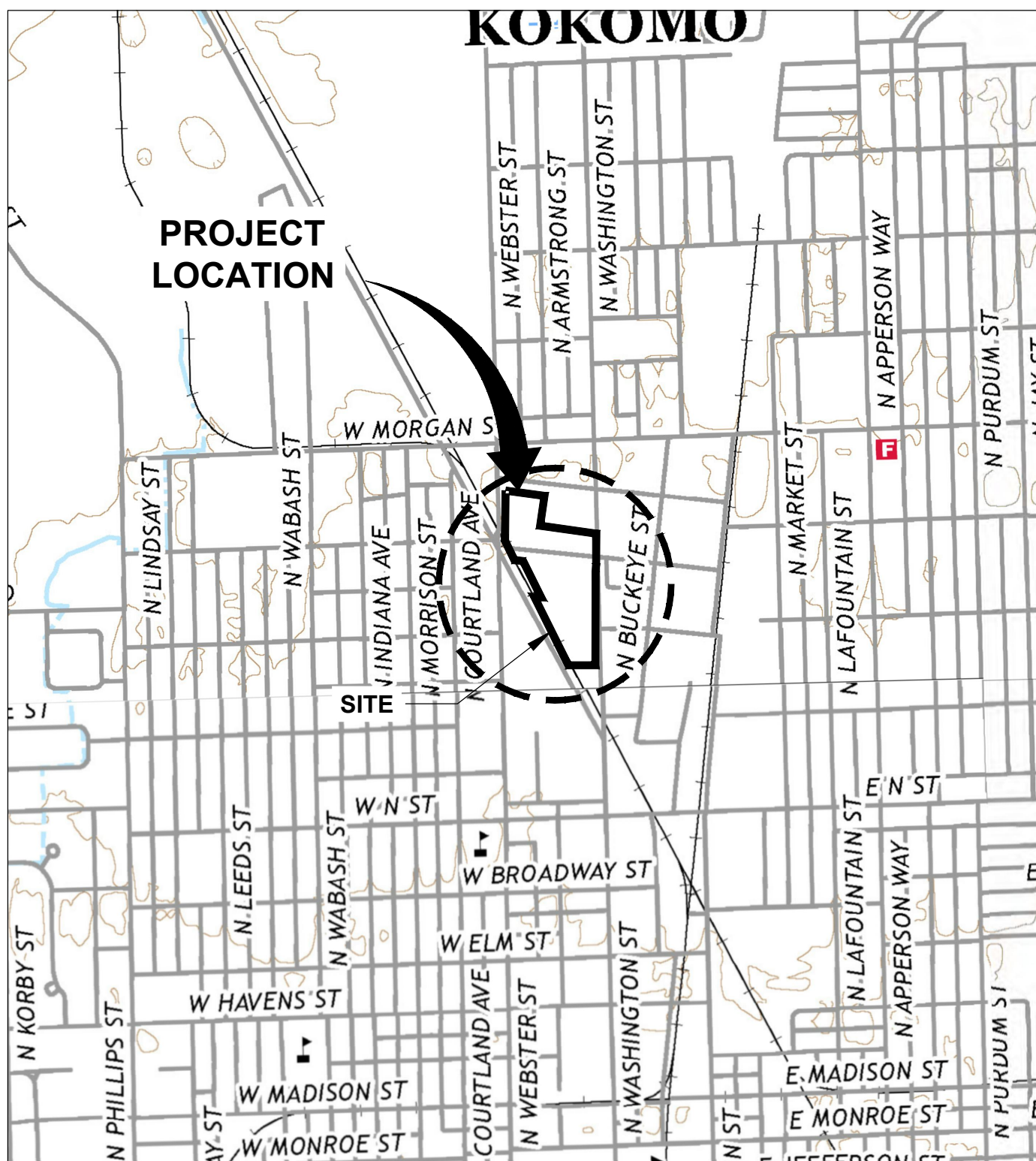
UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

TABLE 6 - Historic Groundwater Analytical Data for MW-0619-S1
RACER Trust Former GM Delco Plant 5
Kokomo, Indiana
November 20, 2006 through October 25, 2022

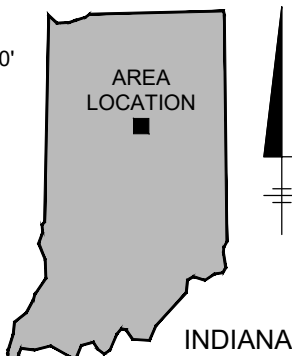
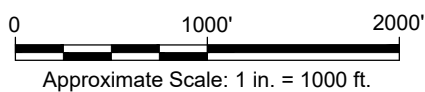
DRAFT

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)									
				1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
Maximum Contaminant Level‡				200	24	7	5	80	70	1,000	100	5	2
MW-0619-S1	11/20/2006	MW-0619-S1 (112006)	Direct fill	< 5.0 U	< 5.0 U	1.8 J	< 5.0 U	< 5.0 U	390	< 5.0 U	26	1,900	1.8 J
MW-0619-S1	11/14/2008	FD-2-TK (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	347	< 5.0 U	31.8	3,140	5.0
MW-0619-S1	11/14/2008	MW-0619-S1 (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	345	< 5.0 U	33.8	3,200	4.9
MW-0619-S1	10/31/2012	MW-0619-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	143	< 5.0 U	6.7	963 D	< 2.0 U
MW-0619-S1	4/2/2013	MW-0619-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	18.4 J	< 5.0 U	< 5.0 U	4.7 J	< 2.0 U
MW-0619-S1	10/16/2013	MW-0619-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	165	< 5.0 U	8.4	929 D	< 2.0 U
MW-0619-S1	5/13/2014	MW-0619-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	19.7	< 5.0 U	< 5.0 U	2.3 J	< 2.0 U
MW-0619-S1	9/25/2014	MW-0619-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	17.8	< 5.0 U	< 5.0 U	20.1	< 2.0 U
MW-0619-S1	3/31/2015	MW-0619-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	25.1	< 5.0 U	0.94 J	3.0 J	1.8 J
MW-0619-S1	9/30/2015	MW-0619-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	0.89 J	< 5.0 U	< 5.0 U	195	< 5.0 U	13.0	1,310 D	1.5 J
MW-0619-S1	3/30/2016	MW-0619-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	23.7	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0619-S1	9/27/2016	MW-0619-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	50.0	< 5.0 U	< 5.0 U	202	< 2.0 U
MW-0619-S1	3/24/2017	MW-0619-S1(032417)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	20.5	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0619-S1	9/27/2017	MW-0619-S1 (092717)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	114	< 5.0 U	8.0	818	< 2.0 U
MW-0619-S1	3/27/2018	MW-0619-S1 (032718)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	22.0	< 5.0 U	< 5.0 U	< 5.0 UB	1.5 J
MW-0619-S1	10/4/2018	MW-0619-S1 (100418)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	110	< 5.0 U	7.8	533	< 2.0 U
MW-0619-S1	3/26/2019	MW-0619-S1 (32619)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	22.5	< 5.0 U	< 5.0 U	32.8	< 2.0 U
MW-0619-S1	9/27/2019	MW-0619-S1(092719)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	55.5	< 5.0 U	< 5.0 U	224	1.1 J
MW-0619-S1	3/27/2020	MW-0619-S1 (032720)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	17.3	< 5.0 U	0.93 J	< 5.0 U	1.5 J
MW-0619-S1	10/8/2020	MW-0619-S1(100820)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	75.3	< 5.0 U	4.7 J	383	2.1
MW-0619-S1	3/29/2021	MW-0619-S1(032921)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	21.6	< 5.0 U	1.1 J	6.1	1.5 J
MW-0619-S1	10/29/2021	MW-0619-S1 (102921)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	33.1	< 5.0 U	1.2 J	65.9	1.5 J
MW-0619-S1	3/23/2022	MW-0619-S1 (032322)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	21.3	< 5.0 U	1.0 J	9.0	0.89 J
MW-0619-S1	8/26/2022 #	MW-0619-S1 (082622)	Bailer	< 5.0 U	< 5.0 U	1.6 J	< 5.0 U	< 5.0 U	277	< 5.0 UB	44.2	2,470	2.4
MW-0619-S1	9/26/2022 #	MW-0619-S1 (09262022)	Bailer	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	189	< 50.0 U	22.5 J	1,600	< 20.0 U
MW-0619-S1	10/25/2022 #	MW-0619-S1 (102522)	Bailer	< 5.0 U	< 5.0 U	1.5 J	< 5.0 U	< 5.0 U	268	< 5.0 U	33.7	2,330	2.0 J

Notes:
‡ The data are screened against United States Environmental Protection Agency (USEPA) Drinking Water Screening Criteria (Maximum Contaminant Levels [MCLs]).
* No MCL is established for 1,1-dichloroethane; as such, the Indiana Department of Environmental Management Remediation Closure Guide (RCG) Tap Water Criteria were used for screening purposes
Data from 2022 groundwater sampling events (monthly during ISS) is not validated, and should be treated as DRAFT.
Shaded Concentrations highlighted gray exceed the screening criteria
µg/L: micrograms per liter
J: The compound was positively identified; however, the associated numerical value is an estimated concentration only
PDB: Passive diffusion bag
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit
UB: Compound considered non-detect at the listed value due to associated blank contamination

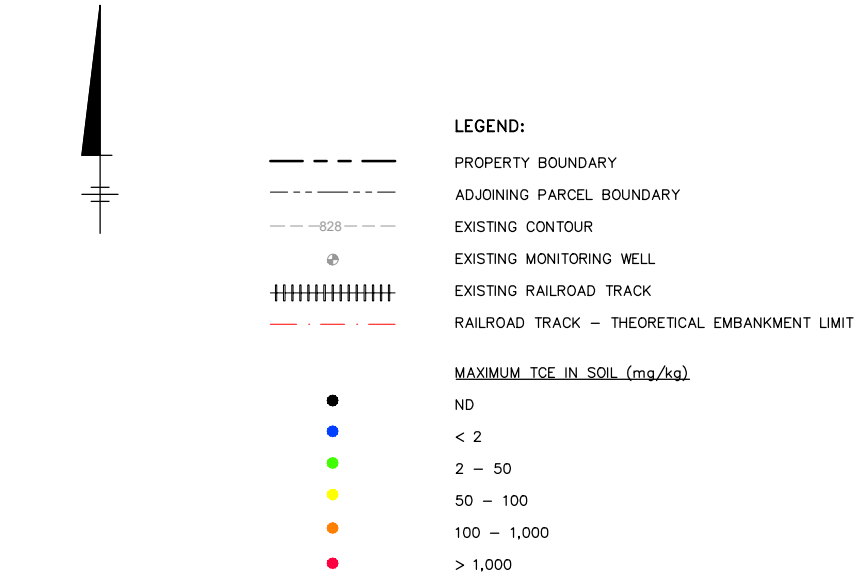
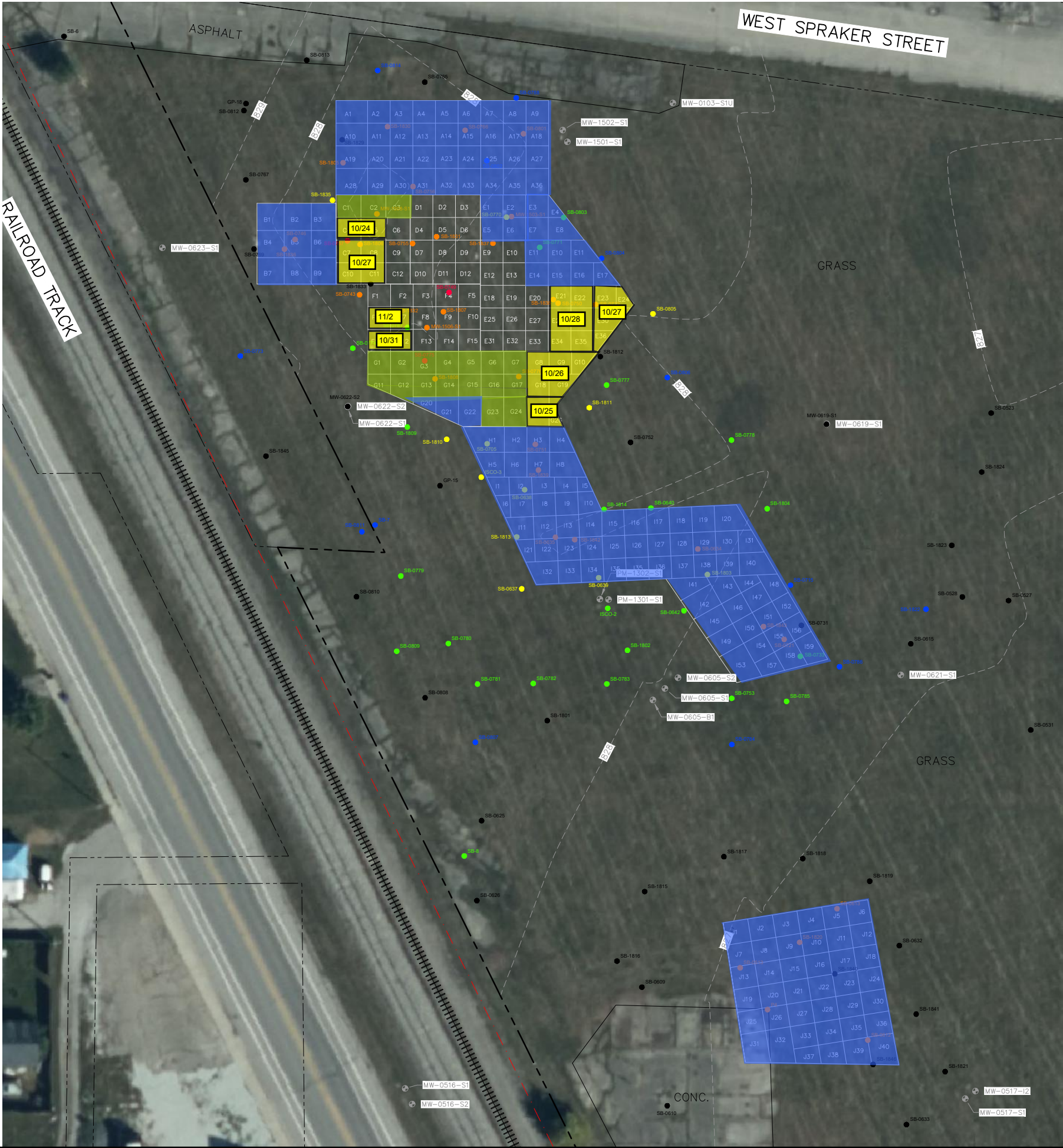


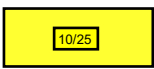
REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD GALVESTON, IND. 2016, MIAMI, IND. 2016, KOKOMO EAST, IND. 2016, AND KOKOMO WEST, IND. 2016.



RACER TRUST
FORMER GM DELCO PLANT 5
KOKOMO, INDIANA
CORRECTIVE MEASURES IMPLEMENTATION UPDATE

SITE LOCATION



-  Mixed with ZVI, waiting for 28-day target, date mixing was completed
-  Mixed with ZVI, meets 28-day target
-  Mixed with PC

	Avg ground surface	Bottom of Excavation	Bottom of ISS	Target Thickness	Target Depth
A	826	819.4	809.75	9.65	16.25
B	826.5	819.5	812.25	7.25	14.25
C	826	818.6	796.75	21.85	29.25
D	826.5	819.3	810.1	9.2	16.4
E	826.5	817.4	805	12.4	21.5
F	825.75	819.4	797.4	22	28.35
G	825.5	817.5	805.25	12.25	20.25
H	825.6	821.6	811.5	10.1	14.1
I	826.8	821.8	814.75	7.05	12.05
J	827.5	818	812	6	15.5

*all numbers are average and have not been validated by field conditions



RACER TRUST
FORMER GM DELCO PLANT 5
KOKOMO, INDIANA

ISS PROGRESS CONSTRUCTION GRID
AS OF NOVEMBER 7, 2022



FIGURE
2

