IEI Plastics Fire
Parkersburg, WV
Preliminary Air Monitoring Summary
October 28, 2017

Prepared by
Center for Toxicology and Environmental Health, L.L.C. (CTEH)
On Behalf of Wood County

Introduction

On October 23, 2017 the Center for Toxicology and Environmental Health, LLC (CTEH) initiated air monitoring following a fire at the IEI Plastics facility in Parkersburg, WV. Real-time air monitoring consisted of roaming hand-held air monitoring. Analytical sampling locations were also established for the collection of air samples to be analyzed at an offsite laboratory for asbestos, sulfur dioxide, volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs). Those results will be included in these summaries after they are received from the laboratory. Appendix I contains incident site maps and closest available meteorological data. Appendix II contains analytical sampling results.

Real-time Air Monitoring[1]

Real-time air monitoring was conducted to document and quantify the potential release of hazardous compounds. All instrumentation was calibrated at least once per day or per manufacturer's recommendations. Target analytes were measured as total VOCs, acrolein, carbon monoxide, formaldehyde, hydrogen chloride, hydrogen cyanide, nitrogen dioxide, nitrogen oxide, particulate matter (PM and Total Dust), and sulfur dioxide using handheld instruments, such as RAESystems® MultiRAE Plus/Pro instruments, TSI AM510 and DustTrak DRX aerosol/particle monitors, and Gastec colorimetric tubes.

Table 1, presented below, summarizes data for hand-held instruments.

[1] *Real-time air monitoring provides near instantaneous measurements for concentrations in air without the need for laboratory analysis.*

Table 1: Hand-held Real-time Air Monitoring Summary[1]

October 27, 2017 07:00 to October 28, 2017 07:00

Location Category	Analyte	Instrument	Number of Readings	Number of Detections	Range of Detections[2]
Community Exposure Monitoring	Acrolein	Gastec 93	14	0	< 2 ppm
	Carbon Monoxide	MultiRAE Plus	121	7	1 - 3 ppm
	Carbon Monoxide	MultiRAE Pro	33	0	< 1 ppm
	Formaldehyde	Gastec 91L	9	0	< 0.05 ppm
	Hydrogen Chloride	Gastec 14L	9	0	< 0.05 ppm
	Hydrogen Cyanide	Gastec 12L	7	0	< 0.1 ppm
	Nitrogen Dioxide	Gastec 9L	10	0	< 0.1 ppm
	Nitrogen Oxide	Gastec 10	9	0	< 1 ppm
	$PM_{2.5}$	AM510	45	45	0.003 - 0.51 mg/m^3
	$PM_{2.5}$	DustTrak DRX	61	61	0.008 - 0.271 mg/m^3
	Sulfur Dioxide	MultiRAE Plus	120	1	0.1 ppm
	Sulfur Dioxide	MultiRAE Pro	34	0	< 0.1 ppm
	VOCs	MultiRAE Plus	122	2	0.1 - 0.1 ppm
	VOCs	MultiRAE Pro	33	0	< 0.1 ppm

[1]*Please Note: The data displayed in the above table has not undergone complete QC analysis and is presented in preliminary format.*

[2]*Maximum detections preceded by the "<" symbol are considered non-detections at the limit of detection (LoD) value to the right.*

[3]*Sulfur Dioxide readings have not had the correction factor applied, a correction factor of 0.25 should be applied, showing a range of detections from 0.05 – 0.125 ppm, respectively.*

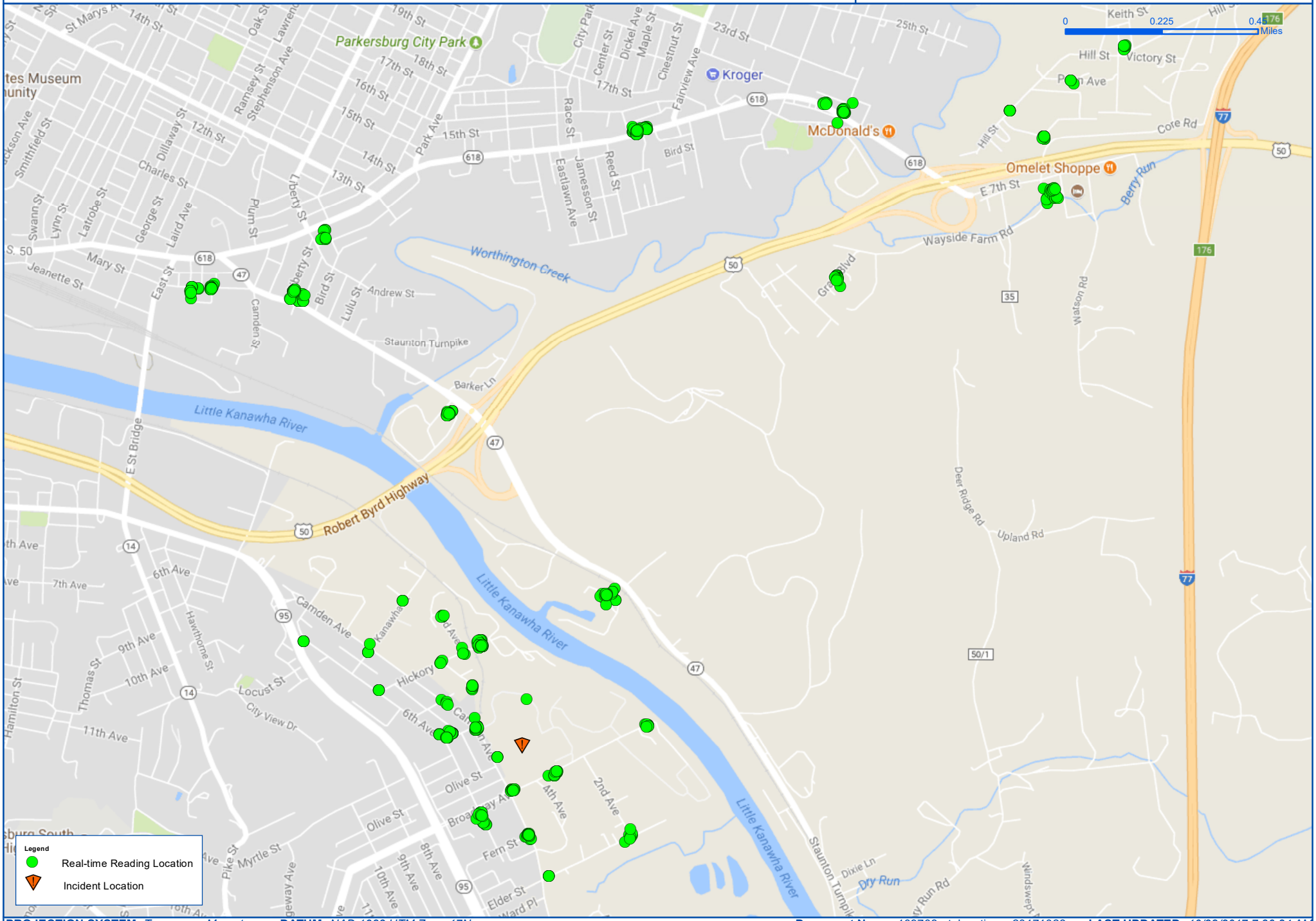
Appendix I:

Incident Site Maps
and Meteorological Data

Handhled Real-time Monitoring Locations

IEI Plastics Fire - October 27, 2017 07:00 - October 28, 2017 07:00

Project: 109708
Client: Wood County, WV
City: Parkersburg, WV
County: Wood



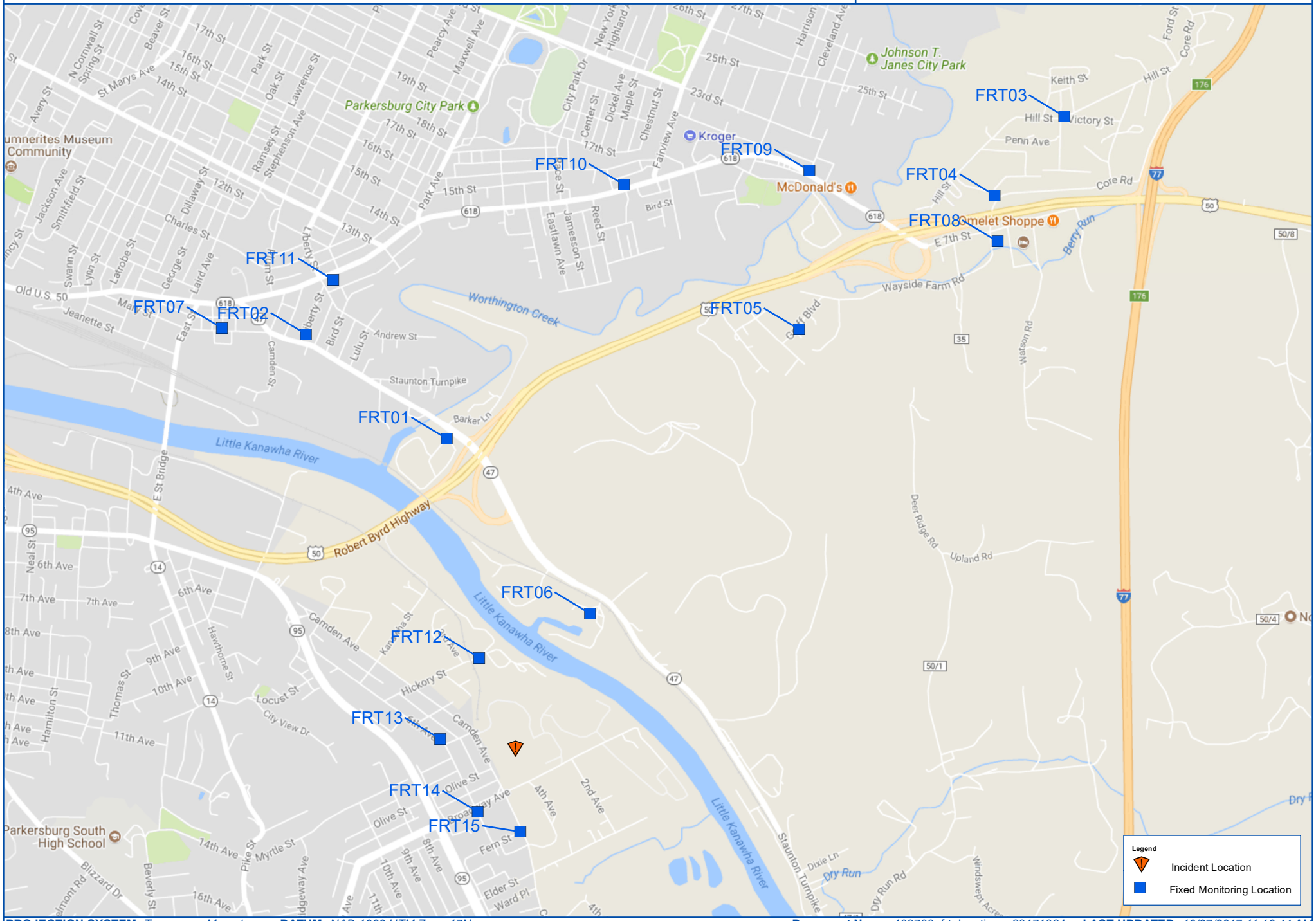
PROJECTION SYSTEM: *Transverse Mercator* **DATUM:** *NAD 1983 UTM Zone 17N* **Document Name:** 109708_rt_locations_20171028 **LAST UPDATED:** *10/28/2017 7:36:24 AM*

Fixed Real-time Air Monitoring Locations

IEI Plastics Fire - Parkersburg, WV

0 375 750 1,500 2,250 3,000 Feet

Project: 109708
Client: Wood County, WV
City: Parkersburg, WV
County: Wood



PROJECTION SYSTEM: *Transverse Mercator* **DATUM:** *NAD 1983 UTM Zone 17N* **Document Name:** 109708_frt_locations_20171024 **LAST UPDATED:** *10/27/2017 11:10:44 AM*

Appendix II:

Analytical Sampling Results

Analytical Sampling |VOC Grab Sample Results
Wood County, WV Facility Fire | **Project #109708**
SDG: L423326 | Result Type: Target Analytes

Analytical Method	Analyte	Cas No	Result Units	PAWV1025GB001 10/25
mod. OSHA PV2120/mod. EPA TO15; GC/MS	1,1-DICHLOROETHANE	75-34-3	ppbv	< 0.5
	1,1-DICHLOROETHENE	75-35-4	ppbv	< 0.5
	1,1,1-TRICHLOROETHANE	71-55-6	ppbv	< 0.5
	1,1,2-TRICHLOROETHANE	79-00-5	ppbv	< 0.5
	1,1,2,2-TETRACHLOROETHANE	79-34-5	ppbv	< 0.5
	1,2-DIBROMOETHANE	106-93-4	ppbv	< 0.5
	1,2-DICHLOROBENZENE	95-50-1	ppbv	< 0.5
	1,2-DICHLOROETHANE	107-06-2	ppbv	< 0.5
	1,2-DICHLOROPROPANE	78-87-5	ppbv	< 0.5
	1,2,4-TRIMETHYLBENZENE	95-63-6	ppbv	< 0.5
	1,3-BUTADIENE	106-99-0	ppbv	30
	1,3-DICHLOROBENZENE	541-73-1	ppbv	< 0.5
	1,3,5-TRIMETHYLBENZENE	108-67-8	ppbv	< 0.5
	1,4-DICHLOROBENZENE	106-46-7	ppbv	< 0.5
	1,4-DIOXANE	123-91-1	ppbv	2.2 J
	2,2,4-TRIMETHYLPENTANE	540-84-1	ppbv	< 0.5
	4-ETHYLTOLUENE	622-96-8	ppbv	< 0.5
	ACETONE	67-64-1	ppbv	8.9
	ACROLEIN	107-02-8	ppbv	9.9
	ALLYL CHLORIDE	107-05-1	ppbv	< 0.5
	BENZENE	71-43-2	ppbv	170
	BENZYL CHLORIDE	100-44-7	ppbv	< 0.5
	BROMODICHLOROMETHANE	75-27-4	ppbv	< 0.5
	BROMOFORM	75-25-2	ppbv	< 0.5
	BROMOMETHANE	74-83-9	ppbv	4.7
	CARBON DISULFIDE	75-15-0	ppbv	< 2
	CARBON TETRACHLORIDE	56-23-5	ppbv	< 0.5
	CHLOROBENZENE	108-90-7	ppbv	< 0.5
	CHLOROETHANE	75-00-3	ppbv	< 0.5
	CHLOROFORM	67-66-3	ppbv	< 0.5
	CHLOROMETHANE	74-87-3	ppbv	1.8

- Results are reported as they are received from the lab and are subject to additional QAQC measures
- Results of ND are displayed as the "<" symbol proceeded by the method detection limit (MDL)
- J-flagged results indicate a lab-estimated detection above the limit of quantification (LOQ) and below the reporting limit (RL)

Detect
Detect (J)
Non-Detect

Analytical Sampling |VOC Grab Sample Results
Wood County, WV Facility Fire | **Project #109708**
SDG: L423326 | Result Type: Target Analytes

Analytical Method	Analyte	Cas No	Result Units	PAWV1025GB001 10/25
mod. OSHA PV2120/mod. EPA TO15; GC/MS	CIS-1,2-DICHLOROETHYLENE	156-59-2	ppbv	< 0.5
	CIS-1,3-DICHLOROPROPENE	10061-01-5	ppbv	< 0.5
	CYCLOHEXANE	110-82-7	ppbv	0.7 J
	DIBROMOCHLOROMETHANE	124-48-1	ppbv	< 0.5
	ETHYL ACETATE	141-78-6	ppbv	< 0.5
	ETHYLBENZENE	100-41-4	ppbv	4
	FREON 11	75-69-4	ppbv	< 0.5
	FREON 12	75-71-8	ppbv	0.71 J
	FREON 113	76-13-1	ppbv	1.5
	FREON 114	76-14-2	ppbv	< 0.5
	HEPTANE	142-82-5	ppbv	1
	HEXANE	110-54-3	ppbv	5
	ISOPROPYL ALCOHOL	67-63-0	ppbv	< 2
	M,P-XYLENES	179601-23-1	ppbv	25
	METHYL BUTYL KETONE	591-78-6	ppbv	< 0.5
	METHYL ETHYL KETONE	78-93-3	ppbv	0.85 J
	METHYL ISOBUTYL KETONE	108-10-1	ppbv	< 0.5
	METHYL TERTIARY BUTYL ETHER	1634-04-4	ppbv	< 0.5
	METHYLENE CHLORIDE	75-09-2	ppbv	< 0.5
	O-XYLENE	95-47-6	ppbv	2.5
	PROPYLENE	115-07-1	ppbv	100
	STYRENE	100-42-5	ppbv	4.6
	TETRACHLOROETHYLENE	127-18-4	ppbv	< 0.5
	TETRAHYDROFURAN	109-99-9	ppbv	1.5
	TOLUENE	108-88-3	ppbv	28
	TRANS-1,2-DICHLOROETHENE	156-60-5	ppbv	< 0.5
	TRANS-1,3-DICHLOROPROPENE	10061-02-6	ppbv	< 0.5
	TRICHLOROETHYLENE	79-01-6	ppbv	< 0.5
	VINYL ACETATE	108-05-4	ppbv	< 0.5
	VINYL BROMIDE	593-60-2	ppbv	< 0.5
	VINYL CHLORIDE	75-01-4	ppbv	< 0.5

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Detect
Detect (J)
Non-Detect

Analytical Sampling |VOC Grab Sample Results
Wood County, WV Facility Fire | **Project #109708**
SDG: L423326 | Result Type: Tentatively Identified Compounds (TICs)

Analytical Method	Analyte	Cas No	Result Units	PAWV1025GB001 10/25
mod. OSHA PV2120/mod. EPA TO15; GC/MS	1-HEXENE	592-41-6	ppbv	7.1 J
	2-PROPENENITRILE	107-13-1	ppbv	7.6 J
	ACETALDEHYDE	75-07-0	ppbv	7.2 J
	ACETONITRILE	75-05-8	ppbv	6.4 J
	BUTANAL	123-72-8	ppbv	14 J
	PENTANE	109-66-0	ppbv	5.5 J

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Detect (J)

Analytical Sampling | Minican Sample Results
Wood County, WV Facility Fire | **Project #109708**
SDG: L423208 | Result Type: Target Analytes

Analyte	Cas No	Result Units	AS01 PAWV1023MC001 10/23	AS02 PAWV1023MC002 10/23	AS03 PAWV1023MC003 10/23	AS04 PAWV1023MC004 10/23	AS05 PAWV1024MC005 10/24	AS06 PAWV1024MC006 10/24	AS07 PAWV1024MC007 10/24
1,1-DICHLOROETHANE	75-34-3	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	75-35-4	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	71-55-6	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	79-00-5	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	79-34-5	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE	106-93-4	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	95-50-1	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	107-06-2	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	78-87-5	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2,4-TRIMETHYLBENZENE	95-63-6	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-BUTADIENE	106-99-0	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	541-73-1	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3,5-TRIMETHYLBENZENE	108-67-8	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	106-46-7	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DIOXANE	123-91-1	ppbv	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2,2,4-TRIMETHYLPENTANE	540-84-1	ppbv	< 0.5	< 0.5	1	< 0.5	0.65 J	< 0.5	< 0.5
4-ETHYLTOLUENE	622-96-8	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ACETONE	67-64-1	ppbv	13	8.4	13	8.6	5.4	3.5 J	3.2 J
ACROLEIN	107-02-8	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ALLYL CHLORIDE	107-05-1	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BENZENE	71-43-2	ppbv	0.85 J	< 0.5	< 0.5	1.2	< 0.5	2.2	1.3
BENZYL CHLORIDE	100-44-7	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

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Detect
Detect (J)
Non-Detect

Analytical Sampling | Minican Sample Results
Wood County, WV Facility Fire | **Project #109708**
SDG: L423208 | Result Type: Target Analytes

Analyte	Cas No	Result Units	AS01 PAWV1023MC001 10/23	AS02 PAWV1023MC002 10/23	AS03 PAWV1023MC003 10/23	AS04 PAWV1023MC004 10/23	AS05 PAWV1024MC005 10/24	AS06 PAWV1024MC006 10/24	AS07 PAWV1024MC007 10/24
BROMODICHLOROMETHANE	75-27-4	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	75-25-2	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	74-83-9	ppbv	< 0.5	< 0.5	0.82 J	< 0.5	< 0.5	< 0.5	< 0.5
CARBON DISULFIDE	75-15-0	ppbv	< 2	< 2	< 2	< 2	< 2	< 2	< 2
CARBON TETRACHLORIDE	56-23-5	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	108-90-7	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	75-00-3	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	67-66-3	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROMETHANE	74-87-3	ppbv	0.96 J	0.89 J	0.63 J	0.63 J	0.8 J	0.6 J	0.57 J
CIS-1,2-DICHLOROETHYLENE	156-59-2	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	10061-01-5	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CYCLOHEXANE	110-82-7	ppbv	1.4	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	124-48-1	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYL ACETATE	141-78-6	ppbv	1.4	< 0.5	< 0.5	< 0.5	< 0.5	0.5 J	0.5 J
ETHYLBENZENE	100-41-4	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	1.8	< 0.5	0.75 J
FREON 11	75-69-4	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	0.51 J	< 0.5	< 0.5
FREON 12	75-71-8	ppbv	0.98 J	0.72 J	0.5 J	0.53 J	0.73 J	0.55 J	< 0.5
FREON 113	76-13-1	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
FREON 114	76-14-2	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
HEPTANE	142-82-5	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
HEXANE	110-54-3	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ISOPROPYL ALCOHOL	67-63-0	ppbv	13	2.5 J	6.6	4.4 J	2.1 J	< 2	< 2

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Detect
Detect (J)
Non-Detect

Analytical Sampling | Minican Sample Results
Wood County, WV Facility Fire | **Project #109708**
SDG: L423208 | Result Type: Target Analytes

Analyte	Cas No	Result Units	AS01 PAWV1023MC001 10/23	AS02 PAWV1023MC002 10/23	AS03 PAWV1023MC003 10/23	AS04 PAWV1023MC004 10/23	AS05 PAWV1024MC005 10/24	AS06 PAWV1024MC006 10/24	AS07 PAWV1024MC007 10/24
M,P-XYLENES	179601-23-1	ppbv	< 1	< 1	< 1	< 1	3.2	< 1	< 1
METHYL BUTYL KETONE	591-78-6	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE	78-93-3	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ISOBUTYL KETONE	108-10-1	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL TERTIARY BUTYL ET..	1634-04-4	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYLENE CHLORIDE	75-09-2	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
O-XYLENE	95-47-6	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	1.2	< 0.5	< 0.5
PROPYLENE	115-07-1	ppbv	2.2 J	2 J	< 2	2.1 J	< 2	2.2 J	< 2
STYRENE	100-42-5	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE	127-18-4	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRAHYDROFURAN	109-99-9	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	108-88-3	ppbv	3.3	0.5 J	3.2	< 0.5	4.9	0.59 J	0.66 J
TRANS-1,2-DICHLOROETHENE	156-60-5	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRANS-1,3-DICHLOROPROPE..	10061-02-6	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE	79-01-6	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL ACETATE	108-05-4	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL BROMIDE	593-60-2	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	75-01-4	ppbv	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

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Detect
Detect (J)
Non-Detect

Analytical Sampling | Minican Sample Results
Wood County, WV Facility Fire | **Project #109708**
SDG: L423208 | Result Type: Tentatively Identified Compounds (TICs)

Analyte	Cas No	Result Units	AS03 PAWV1023MC003 10/23
ETHYL ALCOHOL	64-17-5	ppbv	7.4 J

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- J-flagged results indicate a lab-estimated detection above the limit of quantification (LOQ) and below the reporting limit (RL)

Detect (J)

Analytical Sampling | PAH Sample Results
Wood County, WV Facility Fire | **Project #109708**
SDG: L423208 | Result Type: Target Analytes

			AS01		AS02		AS03	
			PAWV1023PAH001	PAWV1024PAH009	PAWV1023PAH002	PAWV1024PAH010	PAWV1024PAH008	PAWV1024PAH015
Analyte	Cas No	Result Units	10/23	10/24	10/23	10/24	10/24	10/24
1-NITROPYRENE	5522-43-0	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
ACENAPHTHENE	83-32-9	mg/m³	< 0.0004	< 0.0003	< 0.0003	< 0.0004	< 0.0004	< 0.0004
ACENAPHTHYLENE	208-96-8	mg/m³	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
ANTHRACENE	120-12-7	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
BENZO(A)ANTHRACENE	56-55-3	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
BENZO(A)PYRENE	50-32-8	mg/m³	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
BENZO(B)FLUORANTHENE	205-99-2	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
BENZO(E)PYRENE	192-97-2	mg/m³	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
BENZO(G,H,I)PERYLENE	191-24-2	mg/m³	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
BENZO(K)FLUORANTHENE	207-08-9	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
CHRYSENE	218-01-9	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
DIBENZ(A,H)ANTHRACENE	53-70-3	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
FLUORANTHENE	206-44-0	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
FLUORENE	86-73-7	mg/m³	< 0.0004	< 0.0003	< 0.0003	< 0.0004	< 0.0004	< 0.0004
INDENO-1,2,3-CD-PYRENE	193-39-5	mg/m³	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
NAPHTHALENE	91-20-3	mg/m³	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	0.0007
PHENANTHRENE	85-01-8	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
PYRENE	129-00-0	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004

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- J-flagged results indicate a lab-estimated detection above the limit of quantification (LOQ) and below the reporting limit (RL)

■ Detect
□ Non-Detect

Analytical Sampling | PAH Sample Results
Wood County, WV Facility Fire | **Project #109708**
SDG: L423208 | Result Type: Target Analytes

			AS04		AS05	AS06		AS07
			PAWV1024PAH004	PAWV1024PAH011	PAWV1024PAH012	PAWV1024PAH006	PAWV1024PAH013	PAWV1024PAH014
Analyte	Cas No	Result Units	10/24	10/24	10/24	10/24	10/24	10/24
1-NITROPYRENE	5522-43-0	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
ACENAPHTHENE	83-32-9	mg/m³	< 0.0003	< 0.0003	< 0.0004	< 0.0003	< 0.0003	< 0.0004
ACENAPHTHYLENE	208-96-8	mg/m³	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
ANTHRACENE	120-12-7	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
BENZO(A)ANTHRACENE	56-55-3	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
BENZO(A)PYRENE	50-32-8	mg/m³	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
BENZO(B)FLUORANTHENE	205-99-2	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
BENZO(E)PYRENE	192-97-2	mg/m³	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
BENZO(G,H,I)PERYLENE	191-24-2	mg/m³	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
BENZO(K)FLUORANTHENE	207-08-9	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
CHRYSENE	218-01-9	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
DIBENZ(A,H)ANTHRACENE	53-70-3	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
FLUORANTHENE	206-44-0	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
FLUORENE	86-73-7	mg/m³	< 0.0003	< 0.0003	< 0.0004	< 0.0003	< 0.0003	< 0.0004
INDENO-1,2,3-CD-PYRENE	193-39-5	mg/m³	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
NAPHTHALENE	91-20-3	mg/m³	< 0.0003	0.0008	< 0.0004	0.0009	0.001	< 0.0004
PHENANTHRENE	85-01-8	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
PYRENE	129-00-0	mg/m³	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004

- Results are reported as they are received from the lab and are subject to additional QAQC measures
- Results of ND are displayed as the "<" symbol proceeded by the method detection limit (MDL)
- J-flagged results indicate a lab-estimated detection above the limit of quantification (LOQ) and below the reporting limit (RL)

■ Detect
□ Non-Detect

Analytical Sampling |Sulfur Dioxide Sample Results
Wood County, WV Facility Fire | **Project #109708**
SDG: L423208 | Result Type: Target Analytes

				SULFUR DIOXIDE
				7446-09-5
Location	Location Description	Samp No	Date Collected	PPM
AS02	Epsworth Methodist Church	PAWV1023SO0006	10/23	< 0.019
AS03	Laurel and Camden	PAWV1024SO0004	10/24	< 0.019
		PAWV1024SO0010	10/24	< 0.021
AS04	Hickory Street and 3rd Avenue	PAWV1024SO0005	10/24	< 0.019
		PAWV1024SO0011	10/24	< 0.02
AS05	6th Avenue and Central Drive	PAWV1024SO0003	10/24	< 0.019
AS06	Calvary Memorial Church	PAWV1024SO0001	10/24	< 0.019
		PAWV1024SO0008	10/24	< 0.02
AS07	Bird Street	PAWV1024SO0002	10/24	< 0.019
		PAWV1024SO0009	10/24	< 0.02

- Results are reported as they are received from the lab and are subject to additional QAQC measures
- Results of ND are displayed as the "<" symbol proceeded by the method detection limit (MDL)
- J-flagged results indicate a lab-estimated detection above the limit of quantification (LOQ) and below the reporting limit (RL)

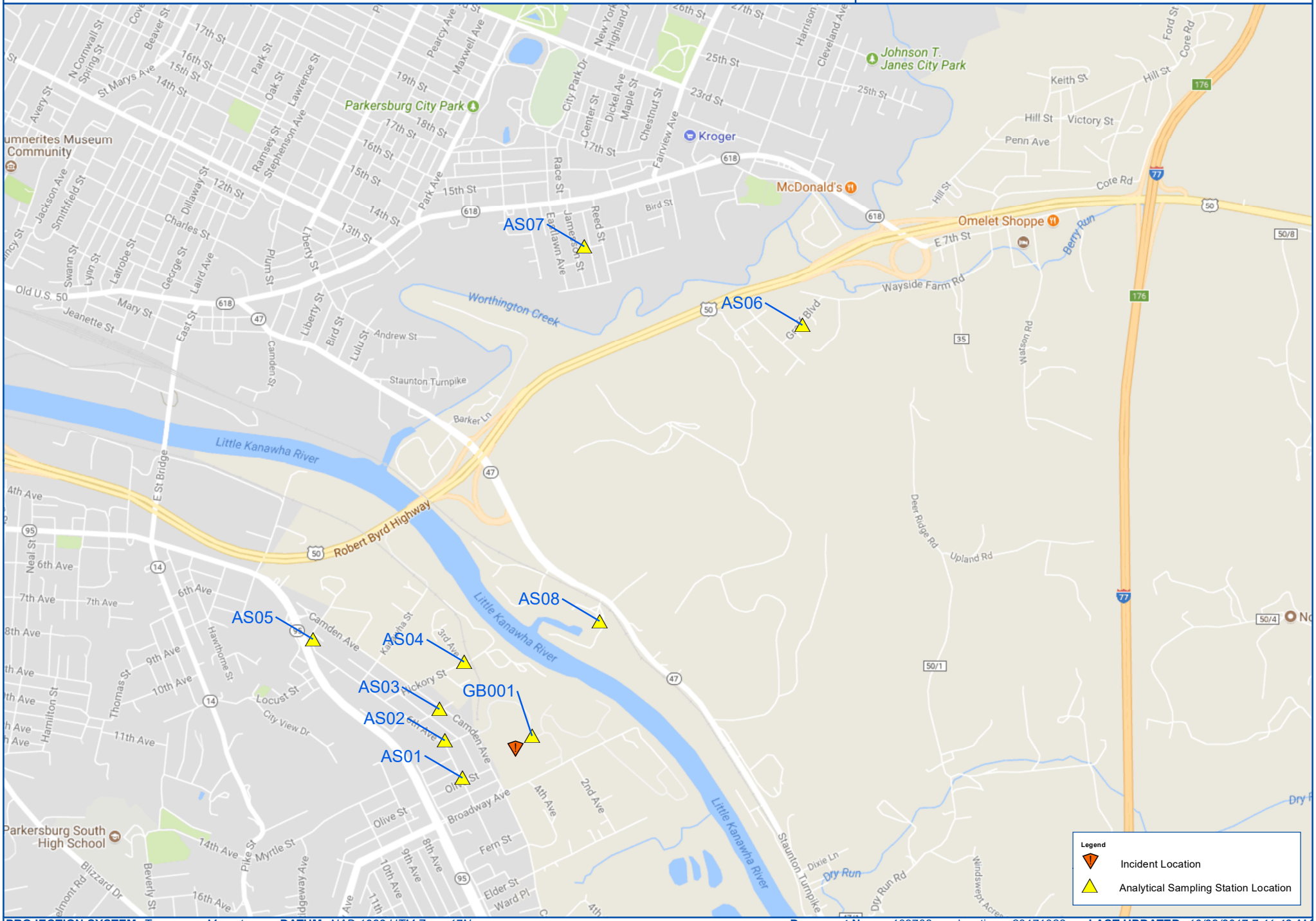
☐ Non-Detect

Analytical Sampling Locations

IEI Plastics Fire - Parkersburg, WV

0 375 750 1,500 2,250 3,000 Feet

Project: 109708
Client: Wood County, WV
City: Parkersburg, WV
County: Wood



PROJECTION SYSTEM: *Transverse Mercator* **DATUM:** *NAD 1983 UTM Zone 17N* **Document Name:** 109708_as_locations_20171028 **LAST UPDATED:** *10/28/2017 7:41:42 AM*