



March 23, 2016

Mr. Kenneth Rhame  
On-Scene Coordinator  
U.S. Environmental Protection Agency, Region 4  
61 Forsyth Street, SW  
Atlanta, Georgia 30303

**Subject:       Emergency Response Letter Report  
                  Pilot Mountain Tire Fire  
                  Pilot Mountain, Surry County, North Carolina  
                  Contract Number: EP-S4-14-03  
                  TDD Number: TT-01-046**

Dear Mr. Rhame:

The Tetra Tech Superfund Technical Assessment and Response Team (START) submits this report to summarize the emergency response activities conducted January 12 through 26, 2016, at the Pilot Mountain Tire Fire in Pilot Mountain, Surry County, North Carolina. This report includes six enclosures and three attachments. Enclosure 1 contains figures, Enclosure 2 contains tables, and Enclosure 3 contains a photographic log of the response activities. Enclosure 4 contains a copy of the Tetra Tech START logbook notes, Enclosure 5 contains a table of witnesses, and Enclosure 6 is Tetra Tech's data validation reports. Attachment 1 contains the laboratory data package for the bulk material asbestos samples. Attachment 2 contains the laboratory data packages for surface water samples. Attachment 3 contains the laboratory data packages for air samples.

## **BACKGROUND**

In the early morning of January 12, 2016, local firefighters responded to a tire fire at the New River Tire Recycling (New River) plant located at 312 East 52 Bypass, Pilot Mountain, Surry County, North Carolina (see Figure 1 in Enclosure 1). The geographic coordinates of the plant are 35.2085658 degrees north latitude and 83.1241778 degrees west longitude. The New River facility receives used tires from various sources, shreds the rubber into "chips" of various sizes, and sells the chips as a fuel source and raw material. The plant is a former knitting mill purchased by New River in April 2013. The plant property is about 8.32 acres, has about 337,000 square feet of building space, and is permitted to store up to 130,000 tires at once. The plant is located in the middle of a residential/commercial area. A municipal water intake is located approximately 4 miles downstream from the New River stormwater outfall (see Figure 2 in Enclosure 1).

## **RESPONSE ACTIVITIES**

Local and state emergency management officials alerted the U.S. Environmental Protection Agency (EPA) On-Scene Coordinator (OSC) outpost in North Carolina of the tire fire. The OSC mobilized to the site and tasked START to provide air and surface water sampling, air monitoring, and documentation for the response. EPA and START personnel arrived on site in the 5:00 a.m. hour of January 12<sup>th</sup>.

Initial EPA response efforts focused on determining if smoke from the fire posed a threat to the surrounding neighborhoods and if runoff from the site threatened the downstream drinking water intake. During the first day of the response (January 12), START conducted downwind neighborhood air monitoring with a RAE Systems MultiRAE Pro photoionization detector (PID) to assess volatile organic compound (VOC) levels. No elevated VOCs levels were detected in the smoke plume.

### **Bulk Material Sampling**

During neighborhood screening for VOCs, START observed bulk material fallout in the residential yards along Crestwood Drive, located northeast of the site. These observations, coupled with a mention of suspected asbestos-containing material (ACM) in an environmental site assessment (ESA) report for the New River plant, raised concerns that the fire could be depositing ACM in the surrounding neighborhoods. The OSC alerted the North Carolina Department of Environmental Quality (NCDEQ) of the possible ACM and tasked START with collecting air samples for analysis of asbestos. NCDEQ arranged for a North Carolina Department of Health and Human Services, Division of Public Health, industrial hygiene inspector to collect bulk material samples of the fallout for analysis of asbestos content by polarized light microscopy (PLM). No asbestos content was detected in any of the bulk material fallout samples. The analytical report for the bulk material samples is included as Attachment 1.

### **Surface Water Sampling**

Initial firefighting operations involved spraying water on the burning tires. EPA and local emergency management officials advised the fire department to cease spraying water on the fire because of concerns for contaminated runoff and because it was ineffective. It was later determined, in consultation with town officials, that Pilot Mountain probably lacked the water storage capacity to fight a long-term tire fire. Even though storm drains were plugged and water spraying operations ceased, quantities of runoff entered the on-site stormwater conveyance system and exited New River's two stormwater outfalls into an unnamed tributary of Tom's Creek, approximately 4 miles upstream of the Pilot Mountain Filtration Plant water intake, the source of Pilot Mountain's drinking water.

EPA tasked START with collecting surface water samples along the flow pathway to assess the possible impact from the fire on the filtration plant. Four sampling stations were established along the pathway:

- **OUTFALL:** The southeast on-site stormwater outfall, the main receiving outfall of fire runoff.
- **DEPOT:** The unnamed tributary of Tom's Creek, at the Depot Street culvert approximately 2,500 feet downstream of the OUTFALL station.
- **UPSTREAM:** Chinquapin Creek, just upstream of its confluence with the unnamed tributary of Tom's Creek. This station served as a background location to assess the naturally occurring chemical composition of local surface waters.
- **INTAKE:** The Pilot Mountain Filtration Plant water intake. This station was located to assess the chemical composition of water at the drinking water intake.

START collected surface water samples from the four sampling stations on January 12, 13, and 14. No OUTFALL sample was collected on the 13<sup>th</sup> because there was no water in the outfall. All samples were analyzed for VOCs, semivolatile organic compounds (SVOCs), Resource Conservation and Recovery Act (RCRA) metals, diesel-range organics (DRO), and gasoline-range organics (GRO).

VOCs, SVOCs, and metals were detected in the outfall at levels exceeding EPA Regional Screening Levels (RSLs) for drinking water. Most of the chemicals that exceeded the RSLs at the outfall were

diluted to levels below the laboratory reporting limit at the Depot Street station. Contamination levels at the drinking water intake were all below the laboratory reporting limit, with the exception of naturally occurring metals, which were comparable with background levels. No RSLs were exceeded at the drinking water. A figure depicting surface water sampling locations is included as Figure 2 in Enclosure 1. A full summary of detections in surface water samples is provided as Table 1 in Enclosure 2. Tetra Tech's data validation report is provided in Enclosure 6, and the laboratory data packages are included as Attachment 2.

### **Air Sampling**

Due to concerns of harmful levels of asbestos in the smoke and fallout, EPA directed START to collect air samples from surrounding areas for laboratory analysis of airborne fiber concentrations by PCM. START conducted three rounds of air sampling from January 13 to January 15, 2016.

On January 13<sup>th</sup>, three air samples were collected: one from an upwind location and two from downwind locations. Fiber concentrations were below the detection limit at the upwind location; the two downwind samples could not be analyzed as a result of filter media loading issues.

On January 14<sup>th</sup>, two samples were collected: one from an upwind location and one from an off-site downwind location. Fiber concentrations were below the detection limit at the upwind location and 0.001 fibers per cubic centimeter (f/cc) at the downwind location, which does not exceed the action level of 0.001 f/cc established under the Office of Solid Waste and Emergency Response (OSWER) Directive 9200.0-68, *Framework for Investigating Asbestos-Contaminated Superfund Sites*.

START collected air samples from the same locations on January 15<sup>th</sup>; neither sample contained fiber concentrations above the laboratory detection limit.

A summary of air sampling results is provided as Table 3 in Enclosure 2. The laboratory data packages are included as Attachment 3.

### **Particulate Monitoring**

From January 13 to January 20, START conducted particulate monitoring using Thermo Scientific DataRAMs set to monitor for particulate matter with a diameter of 2.5 microns or less (PM<sub>2.5</sub>). Fixed monitoring stations were collocated with downwind air samples. Mobile monitoring was conducted along the site perimeter, in the surrounding neighborhoods, and within local businesses.

EPA advised local emergency management officials to issue reverse-911 calls to neighboring residents advising them to avoid smoke exposure if possible. EPA also advised businesses to temporarily close where unhealthy levels of particulate matter were measured indoors. A summary of mobile and fixed particulate monitoring results is included in Tables 2 and 3 of Enclosure 2.

### **Firefighting Operations**

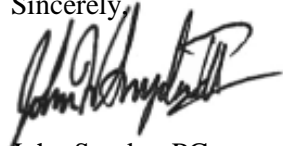
EPA requested the owner of New River determine if he had sufficient resources to hire appropriate contractors to extinguish the fire. The owner concluded that he did not have the resources to fight the fire; therefore EPA mobilized an Emergency and Rapid Response Services (ERRS) contractor, Kemron Environmental Services, Inc. (Kemron). Kemron, along with a subcontractor (Shamrock Environmental Corporation), mobilized to the site on January 12 and 13 with heavy equipment and personnel to begin extinguishing the fire.

Mr. K. Rhame  
Page 4  
March 23, 2016

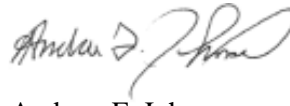
Before the burning rubber piles located within the facility were actually extinguished, ERRS demolished large portions of the building's roof with tracked excavators and mechanical shears to allow responders safe access to the piles. Once safe access was achieved, ERRS began extinguishing the piles using excavators to dunk scoops of burning rubber into water-filled roll-off boxes ("dunk tanks"). Once extinguished, the rubber was removed from the dunk tanks and temporarily stockpiled away from the fire. Stockpiles were monitored with infrared thermometers to ensure that they did not reignite. This process proceeded from January 15 to 21 and ended on the 21 when EPA determined that the fire was completely extinguished. Responders demobilized on the 21 because of inclement weather and returned on January 26 to retrieve and decontaminate their equipment.

If you have any questions or need additional copies of this report, please call me, John Snyder at (678) 775-3085.

Sincerely,



John Snyder, PG  
START IV Project Manager



Andrew F. Johnson  
START IV Program Manager

Enclosures (6)  
Attachments (3)

cc: Katrina Jones, EPA Project Officer  
Angel Reed, START IV Document Control Coordinator

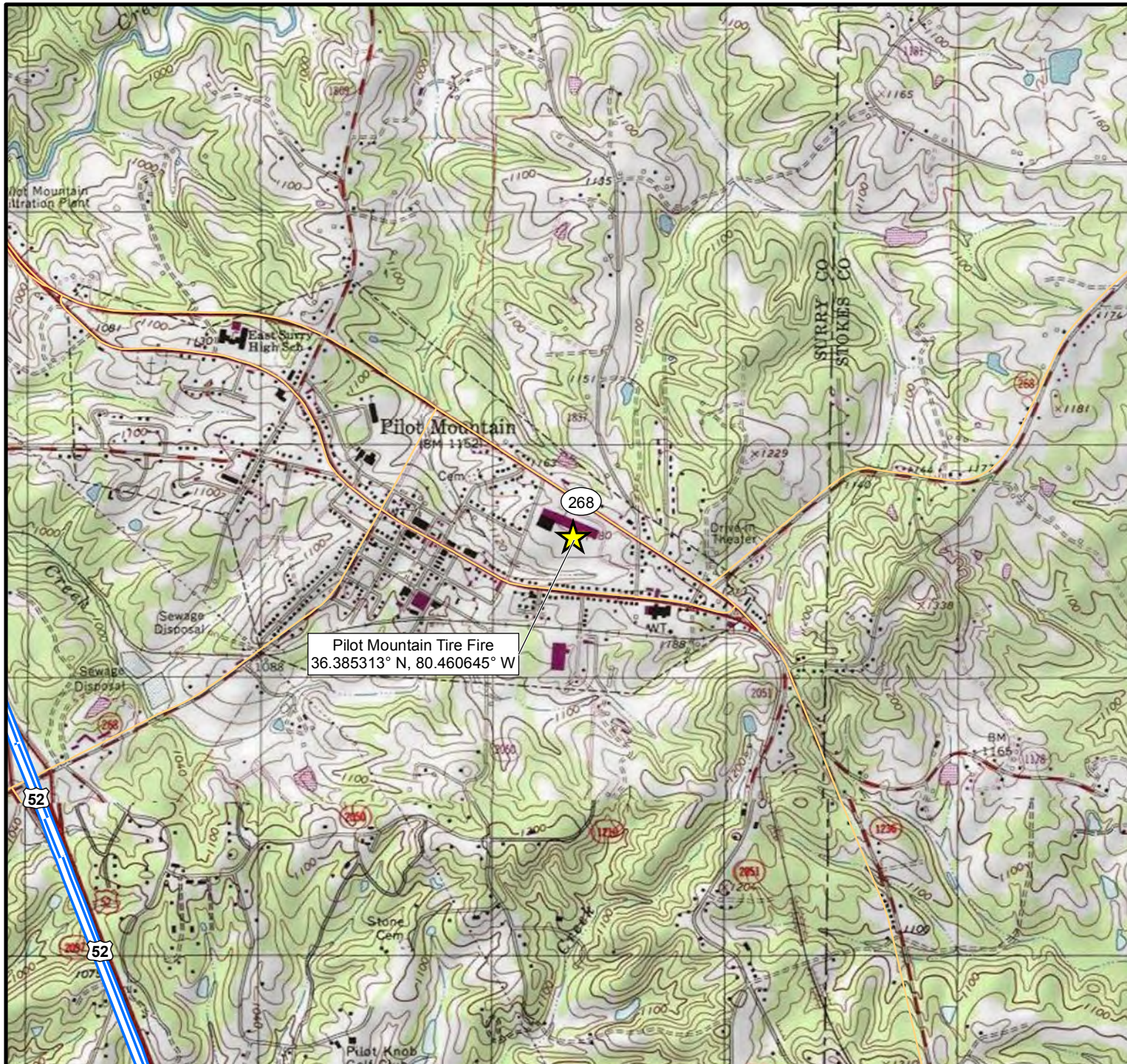




**ENCLOSURE 1**  
**FIGURES**  
(Two Pages)

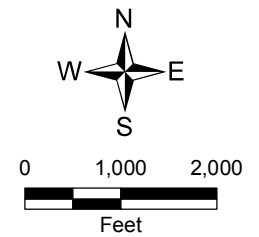




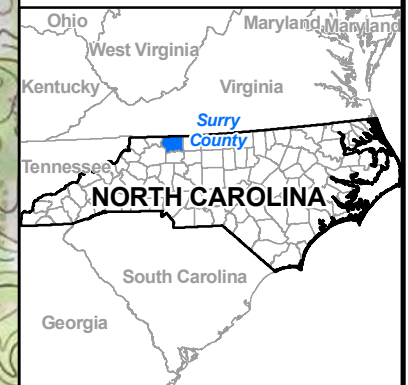


#### Legend

- ★ Site Location
- Interstate Highway
- Major Road



Map Source:  
USGS 7.5 Minute Topographic Quadrangle Maps:  
Pilot Mountain, NC 1973.  
Pinnacle, NC 1973.



United States  
Environmental Protection Agency  
Region 4

#### FIGURE 1

##### Site Location

TDD Name: Pilot Mountain Tire Fire

TDD No.: TT-01-046

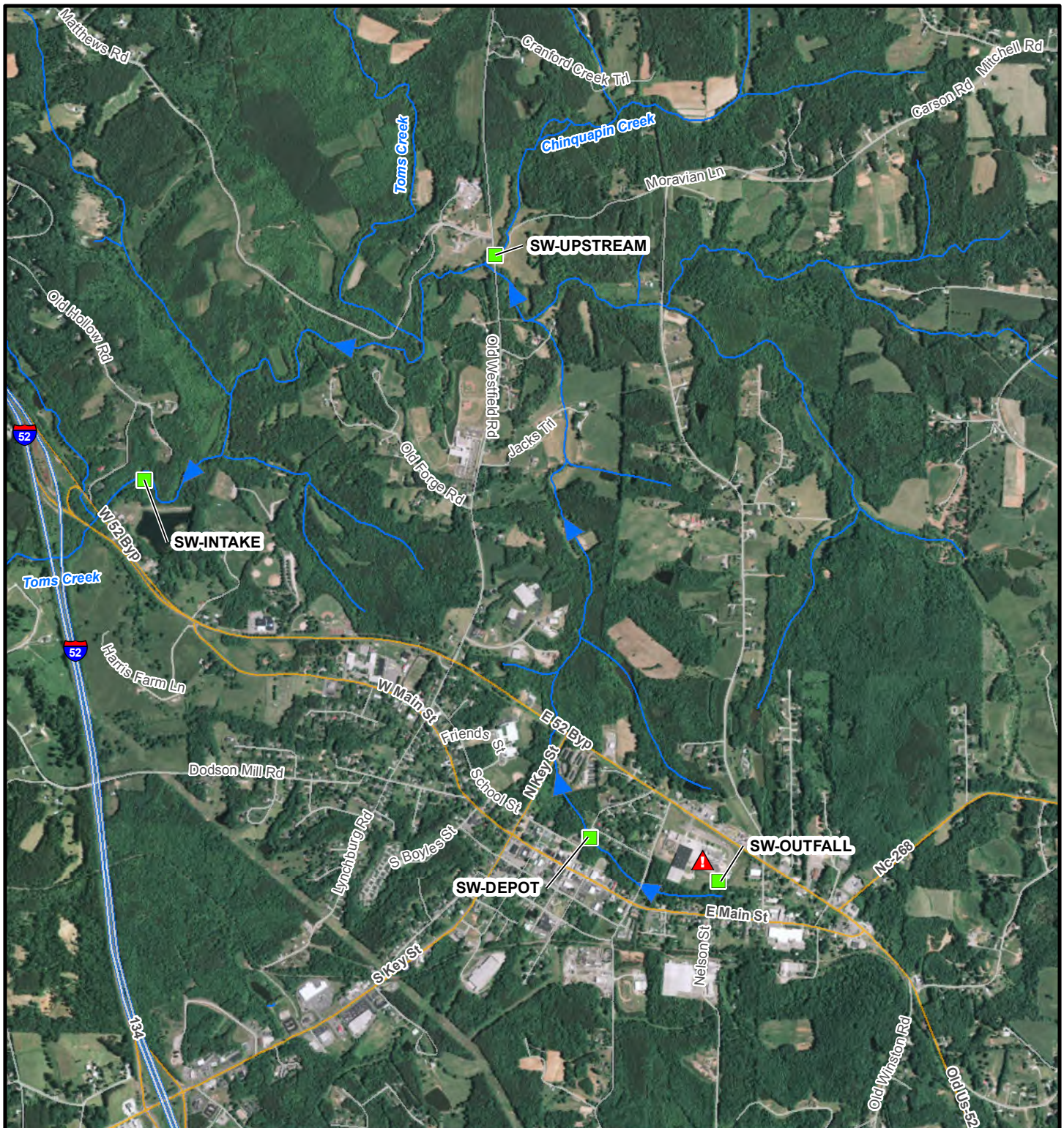
City: Pilot Mountain Surry State: North Carolina



TETRA TECH

Date:  
2/18/2016  
Analyst:  
gustavo.orocho



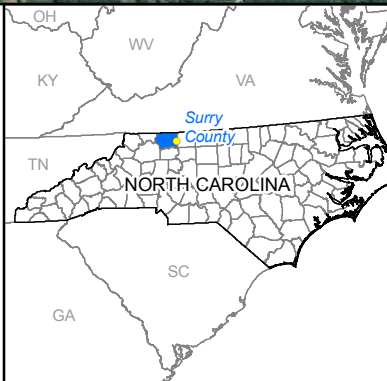
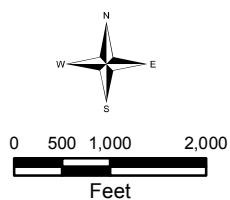


### Legend

- Incident Location
- Surface Water Sample Location
- Interstate Highway
- Major Road
- Street

Notes:  
SW Surface Water

Map Source:  
ESRI Aerial Imagery, 2011-2012.



United States  
Environmental Protection Agency  
Region 4

### FIGURE 2

#### Surface Water Sample Locations

**TDD Name:** Pilot Mountain Tire Fire

**TDD No.:** TT-01-046

**City:**  
Pilot Mountain

**County:**  
Surry

**State:**  
North Carolina



**TETRA TECH**

**Date:**  
2/18/2016  
**Analyst:**  
gustavo.orozco

**ENCLOSURE 2**  
**TABLES**  
(16 Pages)





**TABLE 1: SURFACE WATER SAMPLE ANALYTES DETECTED**

Parameter	RSLs for Tapwater	On-site Outfall	
		1/12/2016	1/14/2016
		SW-OUTFALL-011216	SW-OUTFALL-011416
Volatile Organic Compounds (µg/L)			
2-Butanone (MEK)	5,600	423	9.1
2-Hexanone	38	16.3	5.0 U
4-Methyl-2-pentanone	NL	1,170	11.2
Acetone	14,000	2,470	70.6
Benzene	0.46	252	3.2
Chloroethane	NL	1.2	1.0 U
Chloroform	0.22	1.0 U	0.92 J
Chloromethane	190	5.1	1.0 U
Ethylbenzene	1.5	4.7	0.62 J
Naphthalene	0.17	7.6	3.7
p-Isopropyltoluene	NL	1.8	1.0 U
Styrene	1,200	17.3	1.5
Toluene	1,100	61.9	2.4
Trichloroethene	0.49	1.0 U	1.0 U
Trichlorofluoromethane	5,200	0.34 J	1.0
Xylene (Total)	190	18.7	1.77 J
Semivolatile Organic Compounds (µg/L)			
2-Methylphenol	NL	1,240	29.7 J
2,4-Dimethylphenol	360	662	100 U
3&4-Methylphenol	NL	1,470	25.3 J
Aniline	13	2,680	30.8 J
Benzoic Acid	75,000	40,900	365 J
Benzyl alcohol	2,000	200 U	48.2 J
Phenol	5,800	1,660	40.9 J
Total Petroleum			
Gasoline Range Organics	NL	2.9	0.059 J
Diesel Range Organics	NL	49.9	3.1
Metals (µg/L)			
Arsenic	0.052	10 U	10.7
Barium	3,800	170	236
Cadmium	9.2	0.93 J	0.93 J
Chromium	NL	16.7	26.9
Lead	15	55.5	34.7
Selenium	100	8 J	5.3 J

**TABLE 1: SURFACE WATER SAMPLE ANALYTES DETECTED**

Parameter	RSLs for Tapwater	Depot Street Bridge			
		1/12/2016	1/13/2016	1/13/2016	1/14/2016
		SW-DEPOT-011216	SW-DEPOT-011216-DUP	SW-DEPOT-011316	SW-DEPOT-011416
Volatile Organic Compounds (µg/L)					
2-Butanone (MEK)	5,600	5.0 U	5.0 U	4.1 J	5.0 U
2-Hexanone	38	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NL	5.0 U	5.0 U	4.7 J	0.45 J
Acetone	14,000	25 U	25 U	25.8	25 U
Benzene	0.46	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	NL	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	0.22	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	190	4.0 J	13.3 J	1.0 U	1.0 U
Ethylbenzene	1.5	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	0.17	1.0 U	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NL	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	1,200	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1,100	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	0.49	1.0 U	1.0 U	0.55 J	0.52 J
Trichlorofluoromethane	5,200	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (Total)	190	2.0 U	2.0 U	2.0 U	2.0 U
Semivolatile Organic Compounds (µg/L)					
2-Methylphenol	NL	10 U	10 U	7.2 J	10 U
2,4-Dimethylphenol	360	10 U	10 U	10 U	10 U
3&4-Methylphenol	NL	10 U	10 U	4.4 J	10 U
Aniline	13	10 U	2.8 J	15.5	10 U
Benzoic Acid	75,000	50 U	34.3 J	383	33.9 J
Benzyl alcohol	2,000	20 U	20 U	20 U	20 U
Phenol	5,800	10 U	10 U	22.4	10 U
Total Petroleum					
Gasoline Range Organics	NL	0.02 J	0.041 J	0.25 J	0.08 U
Diesel Range Organics	NL	0.5 U	0.5 U	0.82	0.2 J
Metals (µg/L)					
Arsenic	0.052	10 U	10 U	10 U	10 U
Barium	3,800	85.2	85.3	90.6	86.9
Cadmium	9.2	1.0 U	1.0 U	1.0 U	1.0 U
Chromium	NL	5.0 U	5.0 U	5.0 U	5.0 U
Lead	15	5.0 U	5.0 U	5.0 U	5.0 U
Selenium	100	10 U	10 U	10 U	10 U

**TABLE 1: SURFACE WATER SAMPLE ANALYTES DETECTED**

Parameter	RSLs for Tapwater	Upstream of Tom's Creek Confluence		
		1/12/2016	1/13/2016	1/14/2016
		SW-UPSTREAM-011216	SW-UPSTREAM-011316	SW-UPSTREAM-011416
Volatile Organic Compounds (µg/L)				
2-Butanone (MEK)	5,600	5.0 U	5.0 U	5.0 U
2-Hexanone	38	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NL	5.0 U	5.0 U	5.0 U
Acetone	14,000	25 U	25 U	25 U
Benzene	0.46	1.0 U	1.0 U	1.0 U
Chloroethane	NL	1.0 U	1.0 U	1.0 U
Chloroform	0.22	1.0 U	1.0 U	1.0 U
Chloromethane	190	10.4	1.0 U	1.0 U
Ethylbenzene	1.5	1.0 U	1.0 U	1.0 U
Naphthalene	0.17	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NL	1.0 U	1.0 U	1.0 U
Styrene	1,200	1.0 U	1.0 U	1.0 U
Toluene	1,100	1.0 U	1.0 U	1.0 U
Trichloroethene	0.49	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5,200	1.0 U	1.0 U	1.0 U
Xylene (Total)	190	2.0 U	2.0 U	2.0 U
Semivolatile Organic Compounds (µg/L)				
2-Methylphenol	NL	10 U	10 U	10 U
2,4-Dimethylphenol	360	10 U	10 U	10 U
3&4-Methylphenol	NL	10 U	10 U	10 U
Aniline	13	10 U	10 U	10 U
Benzoic Acid	75,000	50 U	50 U	50 U
Benzyl alcohol	2,000	20 U	20 U	20 U
Phenol	5,800	10 U	10 U	10 U
Total Petroleum				
Gasoline Range Organics	NL	0.027 J	0.027 J	0.08 U
Diesel Range Organics	NL	0.5 U	0.5 U	0.5 U
Metals (µg/L)				
Arsenic	0.052	10 U	10 U	10 U
Barium	3,800	27.3	23.5	25.6
Cadmium	9.2	1.0 U	1.0 U	1.0 U
Chromium	NL	5.0 U	5.0 U	5.0 U
Lead	15	5.0 U	5.0 U	5.0 U
Selenium	100	10 U	10 U	10 U



**TABLE 1: SURFACE WATER SAMPLE ANALYTES DETECTED**

Parameter	RSLs for Tapwater	Water Intake		
		1/12/2016	1/13/2016	1/14/2016
		SW-INTAKE-011216	SW-INTAKE-011316	SW-INTAKE-011416
Volatile Organic Compounds (µg/L)				
2-Butanone (MEK)	5,600	5.0 U	5.0 U	5.0 U
2-Hexanone	38	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NL	5.0 U	5.0 U	5.0 U
Acetone	14,000	25 U	25 U	25 U
Benzene	0.46	1.0 U	1.0 U	1.0 U
Chloroethane	NL	1.0 U	1.0 U	1.0 U
Chloroform	0.22	1.0 U	1.0 U	1.0 U
Chloromethane	190	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.5	1.0 U	1.0 U	1.0 U
Naphthalene	0.17	1.0 U	1.0 U	1.0 U
p-Isopropyltoluene	NL	1.0 U	1.0 U	1.0 U
Styrene	1,200	1.0 U	1.0 U	1.0 U
Toluene	1,100	1.0 U	1.0 U	1.0 U
Trichloroethene	0.49	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5,200	1.0 U	1.0 U	1.0 U
Xylene (Total)	190	2.0 U	2.0 U	2.0 U
Semivolatile Organic Compounds (µg/L)				
2-Methylphenol	NL	10 U	10 U	10 U
2,4-Dimethylphenol	360	10 U	10 U	10 U
3&4-Methylphenol	NL	10 U	10 U	10 U
Aniline	13	10 U	10 U	10 U
Benzoic Acid	75,000	50 U	50 U	50 U
Benzyl alcohol	2,000	20 U	20 U	20 U
Phenol	5,800	10 U	10 U	10 U
Total Petroleum				
Gasoline Range Organics	NL	0.021 J	0.029 J	0.08 U
Diesel Range Organics	NL	0.5 U	0.5 U	0.5 U
Metals (µg/L)				
Arsenic	0.052	10 U	10 U	10 U
Barium	3,800	27.7	22.9	26.1
Cadmium	9.2	1.0 U	1.0 U	1.0 U
Chromium	NL	8.5	5.0 U	5.0 U
Lead	15	5.0 U	5.0 U	5.0 U
Selenium	100	10 U	10 U	10 U

**TABLE 1: SURFACE WATER SAMPLE ANALYTES DETECTED**

Notes:

DUP	Duplicate sample
J	The reported value is less than the reporting limit and should be considered an estimate
µg/L	micrograms per liter
mg/L	milligrams per liter
NL	Not listed
RSL	Environmental Protection Agency Regional Screening Levels
SW	Surface water sample
U	The analyte was not detected in the sample. The reported value is the reporting limit
Shaded	The analytical results exceed the RSL

TABLE 2: PARTICULATE MONITORING SUMMARY

Date	Time	Location	Particulate Concentrations (PM <sub>2.5</sub> ) <sup>1</sup>	DataRAM ID	Tag ID	Comment
1/13/2016	08:55-09:40	Surry Community College	good to moderate	DR711	00 01	Smoke observed from stove pipe (wood burning stove?) at Carl's Auto Body shop - no signs of smoke from site fire
	09:45-09:50	Main Street just west of Carson Street	good to moderate	DR711	00 01	Smoke observed from stove pipe (wood burning stove?) at Carl's Auto Body shop - no signs of smoke from site fire
	09:50-10:30	On site, in plume (various locations)	hazardous	DR711	02 03 04	
	10:30-10:55	Surry Community College	good	DR711	02 03 04	
	10:50-11:10	521 Main Street	good	DR711	05	
	11:10-11:30	EMS building	good	DR711	05 06	
1/13/2016	11:30	Hayco Construction	moderate	DR711	06	Interior monitoring conducted at request of employee also indicated moderate particulate concentrations
	12:15	Hardee's	good	DR711	07	
	12:20-12:40	Surry Community College	good	DR711	07	
	12:40-12:47	Hayco Construction, exterior	unhealthy for sensitive groups	DR711	07	
	12:47-13:10	GoodTimes BBQ	unhealthy	DR711	07	
	13:10-13:21	Hayco Construction, exterior	unhealthy	DR711	07	
	13:21-13:28	GoodTimes BBQ	unhealthy	DR711	07 08	
	14:05-14:20	Surry Community College	good to moderate	DR711	07 08	
	14:20-14:34	GoodTimes BBQ	unhealthy	DR711	08	
	14:43-15:22	EMS building	good	DR711	08	
	15:22-15:25	Surry Community College	good	DR711	10	
	15:25-16:22	GoodTimes BBQ	unhealthy	DR711	10	

**TABLE 2: PARTICULATE MONITORING SUMMARY**

Date	Time	Location	Particulate Concentrations (PM <sub>2.5</sub> ) <sup>1</sup>	DataRAM ID	Tag ID	Comment
1/14/2016	08:25-08:40	GoodTimes BBQ	unhealthy to hazardous	DR711	11	
	08:40-08:48	Carson Road east of fire	good to moderate	DR711	11	
	08:48-09:11	GoodTimes BBQ	unhealthy to hazardous	DR711	11	
	09:20-09:30	EMS building	good	DR711	12	
	09:30-09:50	Mobile along Main St	good to moderate	DR711	12	
	09:50-09:55	Hayco Construction, exterior	good to moderate	DR711	12	
	09:55-10:03	GoodTimes BBQ	good to unhealthy	DR711	12	
	10:03-10:15	EMS building	good to moderate	DR711	12	
	10:15-10:19	Mobile along Main St and Carson St	good to moderate	DR711	12	
	10:19-10:55	Mobile along Hwy 52 Bypass	good to unhealthy	DR711	12	Elevated concentrations consistently detected in vicinity of GoodTimes BBQ, Ed Lindley Auto
	11:00-11:20	GoodTimes BBQ	unhealthy for sensitive groups	DR711	12	Interior monitoring conducted at request of property owner; OSC recommended they not stay open based on elevated readings
	11:20-11:45	Pilot Mtn Elementary School	good	DR711	12 13	Interior monitoring conducted at request of school officials; school is upwind of fire and particulate concentrations were good
	11:50-12:12	Hayco Construction	good	DR711	13	
	12:12-12:15	EMS building	good	DR711	13	
	12:15-12:30	Hayco Construction	good to moderate	DR711	13	
	12:30-12:33	GoodTimes BBQ	unhealthy to hazardous	DR711	13	

TABLE 2: PARTICULATE MONITORING SUMMARY

Date	Time	Location	Particulate Concentrations (PM <sub>2.5</sub> ) <sup>1</sup>	DataRAM ID	Tag ID	Comment
1/14/2016	12:33-12:49	Hayco Construction, exterior	good to moderate	DR711	13	
	12:49-12:55	GoodTimes BBQ	unhealthy	DR711	13	
	12:15-12:30	Mobile at Hardee's, along Academy St, EMS building	good	DR711	13	
	13:48-14:09	Mobile along Hwy 52 Bypass and Carson Rd	good to hazardous	DR711	13	Elevated concentrations detected in smoke plume
	14:09-14:14	Hayco Construction, exterior	good	DR711	13	
	14:14-14:40	EMS building	good	DR711	13	
	14:40-14:55	GoodTimes BBQ	unhealthy to hazardous	DR711	13	
	14:55-14:59	Hayco Construction	good	DR711	13	
	14:59-15:05	GoodTimes BBQ	unhealthy to hazardous	DR711	13	
	15:05-15:30	EMS building	good	DR711	13	
	15:30-15:55	Apt #122 in complex located south of intersection of Highway 52 Bypass and N Key Street	good	DR711	13	Resident called requesting information; particulate monitoring conducted on front porch indicated good conditions; no interior monitoring conducted per tenant request
	15:55-16:30	On site (various locations)	good to unhealthy	DR711	14	
	1815	307 Academy Street	good	DR711	15	Resident called for monitoring; particulate concentrations measured on front porch were good; resident did not want interior monitoring and stated that her nephew was coming to pick her up to stay with him until fire is out

**TABLE 2: PARTICULATE MONITORING SUMMARY**

Date	Time	Location	Particulate Concentrations (PM <sub>2.5</sub> ) <sup>1</sup>	DataRAM ID	Tag ID	Comment
1/15/2016	12:00-13:15	EMS building	good	DR710	6	DR711 out of service due to "Source 1 Failure"
	13:15-13:21	Academy and Howard Streets	unhealthy to hazardous	DR710	6	Steady rain
	13:21-13:22	Howard and Depot Streets.	good	DR710	6	Steady rain
	13:22-13:23	Depot and Second Streets	unhealthy to hazardous	DR710	6	Steady rain
	13:23-13:24	Depot and Main Streets	unhealthy	DR710	6	Steady rain
	13:24-13:25	Depot and West Marion Streets	good	DR710	6	Steady rain
	13:25-13:35	Main and Stephens Streets	moderate to unhealthy	DR710	6	Steady rain
	13:35-13:36	Main and Davis Streets	unhealthy for sensitive groups	DR710	6	Steady rain
	13:36-13:37	Main and Academy Streets	moderate to unhealthy for sensitive groups	DR710	6	Steady rain
	13:37-13:45	404 Main Street	good	DR710	6	Steady rain
	13:45-13:47	Adam and Main Streets	good	DR710	6	Steady rain
	13:47-13:48	Main and Depot Streets	good	DR710	6	Steady rain
	13:48-13:49	Main and Stephens Streets	good	DR710	6	Steady rain
	13:49-13:50	Stephens and Second Streets	good	DR710	6	Steady rain
	13:50-13:51	Second and Depot Streets	good	DR710	6	Steady rain

**TABLE 2: PARTICULATE MONITORING SUMMARY**

Date	Time	Location	Particulate Concentrations (PM <sub>2.5</sub> ) <sup>1</sup>	DataRAM ID	Tag ID	Comment
1/15/2016	13:51-13:52	Depot and Howard Streets	good	DR710	6	Steady rain
	13:51-13:52	Howard and Academy Streets	good	DR710	6	Steady rain
	13:53-13:55	Academy and Main Streets	unhealthy for sensitive groups - unhealthy - hazardous	DR710	6	Steady rain
	13:55-13:58	Mobile (Main St-Carson Rd-GoodTimes BBQ)	good	DR710	6	Steady rain
	13:58-14:40	On site (various locations) - upwind/east of fire	good	DR710	6	Steady rain
	14:40-14:42	mobile (Hwy 52 Bypass-Carson Rd-Main St)	good	DR710	6	Steady rain
	14:43-14:45	Main and Academy Sts.	unhealthy to hazardous	DR710	6	Steady rain
	14:45-15:20	Mobile (Main Street - Davis Street - Depot Street - EMS building)	good	DR710	6	Steady rain
	16:48-16:56	On site (various locations) - upwind/east of fire	good	DR710	7	Steady rain
	16:56-17:10	Mobile (Hwy 52 Bypass-Carson Road-Main Street-Hwy 52 Bypass)	good	DR710	7	Steady rain
	17:10-17:35	EMS building	good	DR710	7	Steady rain



TABLE 2: PARTICULATE MONITORING SUMMARY

Date	Time	Location	Particulate Concentrations (PM <sub>2.5</sub> ) <sup>1</sup>	DataRAM ID	Tag ID	Comment
1/16/2016	10:45-10:50	EMS building	good	DR710	8	
	10:50-10:57	Hwy 52 Bypass-GoodTimes BBQ-Carson Road-Main Street-Academy Street	good	DR710	8	
	10:57-10:59	GoodTimes BBQ	good	DR710	8	
	10:59-11:02	Hwy 52 Bypass and Academy Street	good	DR710	8	
	11:02-11:05	Academy Street-Main Street-Carson Road	good	DR710	8	
	11:05-11:12	Hayco Construction	good	DR710	8	
	11:12-11:21	Hwy 52 Bypass and Academy Street	good	DR710	8	
	11:21-11:22	EMS building	unhealthy for sensitive groups	DR710	8	
	11:22-11:24	Hwy 52 Bypass-Westfield Road-Main Street-Pilot Mountain Elementary School	good	DR710	8	
	11:24-11:26	Main Street and Dodson Mill Road	good	DR710	8	
	11:26-11:28	Highway 268 and North Key Street (apartment complex)	good	DR710	8	

**TABLE 2: PARTICULATE MONITORING SUMMARY**

Date	Time	Location	Particulate Concentrations (PM <sub>2.5</sub> ) <sup>1</sup>	DataRAM ID	Tag ID	Comment
1/16/2016	11:28-11:31	Hwy 52 Bypass and Academy Street	good to moderate to unhealthy for sensitive groups	DR710	8	
	11:31-11:47	Mobile (Academy Street-Hwy 52 Bypass-Main Street-Carson Road-Hwy 52 Bypass)	good	DR710	8	
	11:47-11:55	Highway 52 Bypass (site entrance)	good to hazardous	DR710	8	
	11:55-12:03	GoodTimes BBQ	good to moderate	DR710	8	
	12:03-12:27	On site (upwind/east of fire)	good	DR710	8	
	12:27-12:37	Hwy 52 Bypass (Pilot Mountain Outreach Center)	good to moderate to unhealthy for sensitive groups	DR710	8	
	12:37-12:45	Hwy 52 Bypass (heavy equipment storage lot)	good to hazardous	DR710	8	
	12:45-15:19	EMS building	good	DR710	8	
	15:19-15:23	Hayco Construction	good to hazardous	DR710	8	
	15:23-15:30	Carson Road and Main Street	good to hazardous	DR710	8	
	15:30-15:37	mobile (Main St-Academy St-Hwy 52 Bypass-Carson Loop)	good	DR710	8	
	15:37-15:45	Carson (H&M Motors)	good to hazardous	DR710	8	
	16:50-17:26	Mobile (Main St between Nelson and Carson)	good to hazardous	DR710	9	

TABLE 2: PARTICULATE MONITORING SUMMARY

Date	Time	Location	Particulate Concentrations (PM <sub>2.5</sub> ) <sup>1</sup>	DataRAM ID	Tag ID	Comment
1/17/2016	08:20-08:31	EMS building	good	DR710	10	
	08:31-08:40	Mobile (Academy Street-Main Street-Hwy 268 (Family Dollar)	good	DR710	10	
	08:40-08:53	Mobile (Academy Street-Golf Course Drive-Hwy 268-Main Street)	good	DR710	10	
	08:53-08:57	Mobile (Main Street-Carson Road-Highway 52 Bypass)	good	DR710	10	
	08:57-09:02	GoodTimes BBQ	good	DR710	10	
	09:02-09:07	Mobile (Highway 52 Bypass-Carson Road-Main Street [eastward]-Highway 52 Bypass)	good	DR710	10	
	09:07-09:56	EMS building	good	DR710	10	
	09:56-09:59	Apartment complex located south of intersection of Highway 52 Bypass and North Key Street	good	DR710	10	
	09:59-10:10	Mobile (Highway 52 Bypass-Academy Street-Main Street)	good	DR710	10	
	10:10-10:12	Main Street and Carson Road	good to moderate	DR710	10	
	10:12-10:15	GoodTimes BBQ	good	DR710	10	
	10:15-10:19	Mobile (Highway 52 Bypass-Carson Road-Main Street)	good	DR710	10	
	10:19-10:28	On site (east side of building)	good	DR710	10	

**TABLE 2: PARTICULATE MONITORING SUMMARY**

Date	Time	Location	Particulate Concentrations (PM <sub>2.5</sub> ) <sup>1</sup>	DataRAM ID	Tag ID	Comment
1/17/2016	10:28-10:33	Mobile (Highway 52 Bypass-Carson Road-Main Street)	good	DR710	10	
	10:33-10:35	418 Main Street	good to moderate to unhealthy for sensitive groups	DR710	10	Intermittent plume
	10:35-10:39	Mobile (Main Street-Carson Road-Highway 52 Bypass)	good	DR710	10	
	10:39-11:18	EMS building	good	DR710	10	
	11:18-11:20	Mobile (Academy Street-Main Street)	good	DR710	10	
	11:20-11:25	409 Main Street	good to moderate to unhealthy for sensitive groups to unhealthy	DR710	10	Intermittent plume
	11:25-11:27	Mobile (Main Street-Carson Road-Highway 52 Bypass)	good	DR710	10	
	11:27-11:33	GoodTimes BBQ	good	DR710	10	
	11:33-11:39	Mobile (Highway 52 Bypass-Carson Road-Main Street-Academy Street)	good to moderate	DR710	10	
	11:39-11:43	Mobile (Main Street-Highway 268-Highway 52 Bypass)	good	DR710	10	

**TABLE 2: PARTICULATE MONITORING SUMMARY**

Date	Time	Location	Particulate Concentrations (PM <sub>2.5</sub> ) <sup>1</sup>	DataRAM ID	Tag ID	Comment
1/18/2016	9:25-10:39	Hayco Construction, interior	good	DR710	12	
	10:47-12:53	On site, downwind at outfall	hazardous	DR710	13	
	12:55	On site, downwind at outfall	unhealthy for sensitive groups	DR710	14	
	12:58-14:33	On site, downwind, Hayco Construction fenceline	unhealthy	DR710	15	
	14:35-15:06	On site, downwind, Hayco Construction fenceline	very unhealthy	DR710	16	
1/19/2016	11:02-15:11	Hayco Construction, interior	good	DR710	17	
1/20/2016	9:21-10:53	4804 NC Highway 268 East, front yard	good	DR710	18	

Notes

- <sup>1</sup> Descriptions based on time-weighted averages, per EPA Draft Standard Operating Guidelines # T106: "Particulate Monitoring for Fires"
- EMS Emergency Management Service
- ID Identification
- OSC On-scene Coordinator
- PM<sub>2.5</sub> Particulate matter, diameter of 2.5 micrometers or less

**TABLE 3: AIR SAMPLING RESULTS**

Date	Sample ID	Location	PCM Results (f/cc)	TWA Particulate Concentration (PM2.5 in µg/m3)
1/13/2016	PMTF-AS-01-011316	EMS Building (Upwind)	BDL	NA
	PMTF-AS-02-011316	On site, southeast fenceline	UTA	32.1
	PMTF-AS-03-011316	Surry Community College Pilot Center	UTA	NA

Date	Sample ID	Location	PCM Results (f/cc)	TWA Particulate Concentration (PM2.5 in µg/m3)
1/14/2016	PMTF-AS-01-011416	EMS Building (Upwind)	BDL	NA
	PMTF-AS-02-011416	Hayco Construction, southwest corner	0.001	9.1

Date	Sample ID	Location	PCM Results (f/cc)	TWA Particulate Concentration (PM2.5 in µg/m3)
1/15/2016	PMTF-AS-01-011516	EMS Building (Upwind)	BDL	NA
	PMTF-AS-02-011516	Hayco Construction, southwest corner	BDL	33.6

## Notes:

AS	Air sample
BDL	Below detection limit
EMS	Emergency Management Service
f/cc	fibers per cubic centimeter
ID	Identification
µg/m3	micrograms per cubic meter
NA	Not analyzed
PCM	Phase Contrast Microscopy
PM2.5	Particulate matter, diameter of 2.5 micrometers or less
PMTF	Pilot Mountain Tire Fire
TWA	Time-weighted average
UTA	Unable to analyze due to filter media loading

**ENCLOSURE 3**  
**PHOTOGRAPHIC LOG OF RESPONSE ACTIVITIES**  
(15 Pages)







**OFFICIAL PHOTOGRAPH NO. 1**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TT-01-046	<b>Location:</b>	312 East 52 Bypass, Pilot Mountain, Surry County, North Carolina
<b>Orientation:</b>	Southeast	<b>Date:</b>	January 12, 2016
<b>Photographer:</b>	John Snyder, Tetra Tech Superfund Technical Assessment and Response Team (START)	<b>Witness:</b>	Kenneth Rhame, US Environmental Protection Agency (EPA)
<b>Subject:</b>	In the early morning hours of January 12, 2016, EPA and START responded to a fire at the New River Tire Recycling plant at 312 East 52 Bypass in Pilot Mountain, Surry County, North Carolina. The facility takes in used tires, shreds them, and sells the shredded material as fuel and as a raw material.		



**OFFICIAL PHOTOGRAPH NO. 2**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-046

**Location:** 312 East 52 Bypass, Pilot Mountain,  
Surry County, North Carolina

**Orientation:** Northwest

**Date:** January 12, 2016

**Photographer:** John Snyder, Tetra Tech

**Witness:** Kenneth Rhame, EPA

**Subject:** Large piles of burning shredded rubber are visible along the rear (southern) loading dock of the New River Tire Recycling facility. Responders were unable to immediately address the fire because the weakened roof and overhead structures created hazardous conditions within the building. Initial actions by the Emergency and Rapid Response Services (ERRS) contractor involved dismantling the roof with excavators and mechanical shears.



**OFFICIAL PHOTOGRAPH NO. 3**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-046

**Location:** 312 East 52 Bypass, Pilot Mountain,  
Surry County, North Carolina

**Orientation:** North

**Date:** January 12, 2016

**Photographer:** John Snyder, Tetra Tech

**Witness:** Kenneth Rhame, EPA

**Subject:** A fire-damaged trailer located along the southern loading dock, where investigators suspect the fire began, is shown in the photo. The trailer was eventually dragged away from the building with heavy equipment to allow better access to the blaze.





**OFFICIAL PHOTOGRAPH NO. 4**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-046

**Location:** 312 East 52 Bypass, Pilot Mountain,  
Surry County, North Carolina

**Orientation:** North

**Date:** January 20, 2016

**Photographer:** John Snyder, Tetra Tech

**Witness:** Kenneth Rhame, EPA

**Subject:** View of the southern loading dock, with the roof and overhead structures completely demolished.



**OFFICIAL PHOTOGRAPH NO. 5**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-046

**Location:** 312 East 52 Bypass, Pilot Mountain,  
Surry County, North Carolina

**Orientation:** Southwest

**Date:** January 13, 2016

**Photographer:** John Snyder, Tetra Tech

**Witness:** Kenneth Rhame, EPA

**Subject:** View of the southeastern stormwater outfall at the New River Tire Recycling facility, designated sampling station OUTFALL. The outfall was dry on January 13, but evidence of the fire, including building debris and fine-grained carbon, was visible.





**OFFICIAL PHOTOGRAPH NO. 6**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-046

**Location:** 312 East 52 Bypass, Pilot Mountain,  
Surry County, North Carolina

**Orientation:** East

**Date:** January 12, 2016

**Photographer:** John Snyder, Tetra Tech

**Witness:** Kenneth Rhame, EPA

**Subject:** View of the upstream side of the Depot Street culvert, designated sampling station  
DEPOT.



**OFFICIAL PHOTOGRAPH NO. 7**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TT-01-046	<b>Location:</b>	312 East 52 Bypass, Pilot Mountain, Surry County, North Carolina
<b>Orientation:</b>	Northeast	<b>Date:</b>	January 12, 2016
<b>Photographer:</b>	John Snyder, Tetra Tech	<b>Witness:</b>	Kenneth Rhame, EPA
<b>Subject:</b>	View of the upstream side of the Chinquapin Creek/Old Westfield Road culvert, designated sampling station UPSTREAM.		





**OFFICIAL PHOTOGRAPH NO. 8**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-046

**Location:** 312 East 52 Bypass, Pilot Mountain,  
Surry County, North Carolina

**Orientation:** North

**Date:** January 12, 2016

**Photographer:** John Snyder, Tetra Tech

**Witness:** Kenneth Rhame, EPA

**Subject:** View of the upstream Pilot Mountain Filtration Plant water intake, designated  
sampling station INTAKE.



**OFFICIAL PHOTOGRAPH NO. 9**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-046

**Location:** 312 East 52 Bypass, Pilot Mountain,  
Surry County, North Carolina

**Orientation:** Southeast

**Date:** January 13, 2016

**Photographer:** Brian Croft, Tetra Tech

**Witness:** Kenneth Rhame, EPA

**Subject:** START conducted 3 days of air sampling and 8 days of fixed and mobile particulate monitoring. Seen here, a collocated Gilian Air-Con 2 pump and DataRAM particulate monitor are used to assess air quality along New River Tire Recycling's southeastern fence line.





**OFFICIAL PHOTOGRAPH NO. 10**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-046

**Location:** 312 East 52 Bypass, Pilot Mountain,  
Surry County, North Carolina

**Orientation:** Northwest

**Date:** January 14, 2016

**Photographer:** Brian Croft, Tetra Tech

**Witness:** Kenneth Rhame, EPA

**Subject:** START conducted 3 days of air sampling and 8 days of fixed and mobile particulate monitoring. Seen here, a Gilian Air-Con 2 pump collects an air sample for laboratory analysis of airborne fiber concentrations.



**OFFICIAL PHOTOGRAPH NO. 11**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-046

**Location:** 312 East 52 Bypass, Pilot Mountain,  
Surry County, North Carolina

**Orientation:** Southeast

**Date:** January 18, 2016

**Photographer:** John Snyder, Tetra Tech

**Witness:** Kenneth Rhame, EPA

**Subject:** Once the roof and overhead equipment were removed, responders extinguished the piles of rubber using excavators and water-filled roll-off boxes (“dunk tanks”) to quench the burning material.



**OFFICIAL PHOTOGRAPH NO. 12**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-046

**Location:** 312 East 52 Bypass, Pilot Mountain,  
Surry County, North Carolina

**Orientation:** Northeast

**Date:** January 15, 2016

**Photographer:** Brian Croft, Tetra Tech

**Witness:** Kenneth Rhame, EPA

**Subject:** Once extinguished, material was loaded into a dump truck and transported to the north side of the building, where it was temporarily stockpiled.



**OFFICIAL PHOTOGRAPH NO. 13**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-046

**Location:** 312 East 52 Bypass, Pilot Mountain,  
Surry County, North Carolina

**Orientation:** Southwest

**Date:** January 12, 2016

**Photographer:** Brian Croft, Tetra Tech

**Witness:** Kenneth Rhame, EPA

**Subject:** Initially, extinguished material was stockpiled in a loading dock bay along the northern side of the facility. Later, as room became available, extinguished rubber was stockpiled in the large, open, southern portion of the building.





**OFFICIAL PHOTOGRAPH NO. 14**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-046

**Location:** 312 East 52 Bypass, Pilot Mountain,  
Surry County, North Carolina

**Orientation:** Northeast

**Date:** January 20, 2016

**Photographer:** John Snyder, Tetra Tech

**Witness:** Kenneth Rhame, EPA

**Subject:** To help control water runoff from the site, EPA directed Emergency and Rapid Response Services (ERRS) to construct a berm across the southern loading dock area. Captured water was vacuumed up and transported off site for disposal.



**OFFICIAL PHOTOGRAPH NO. 15**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-046

**Location:** 312 East 52 Bypass, Pilot Mountain,  
Surry County, North Carolina

**Orientation:** Northeast

**Date:** January 20, 2016

**Photographer:** John Snyder, Tetra Tech

**Witness:** Kenneth Rhame, EPA

**Subject:** By January 20, ERRS had quenched the last of burning piles of rubber, and the fire was declared extinguished.



**ENCLOSURE 4**  
**START LOGBOOK**  
(13 Pages)



dc2d76fz

Outdoor writing products •  
for Outdoor writing people



All components of  
this product are recyclable

***Rite in the Rain***

A patented, environmentally  
responsible, all-weather writing paper  
that sheds water and enables you to  
write anywhere, in any weather.

Using a pencil or all-weather pen,  
*Rite in the Rain* ensures that your  
notes survive the rigors of the field,  
regardless of the conditions.

JL DARLING LLC  
Tacoma, WA 98424 1017 USA  
[www.RiteintheRain.com](http://www.RiteintheRain.com)

Item No. 371

ISBN 0781032149 23 4

Made in the USA  
UN Pat No. 6,863,940



Pilot Mountain Tire Fire  
Pilot Mountain, North Carolina



*Rite in the Rain.*

ALL-WEATHER  
**UNIVERSAL**

No 371

Tetra Tech START

TT-01-046

103X902701046



TETRA TECH

John Snyder, PG  
Environmental Engineer

1955 Evergreen Boulevard, Building 200, Suite 300, Duluth, GA 30096  
Tel +1.678.775.3085 Cell +1.770.402.9013 Fax +1.678.775.3138  
john.snyder@tetratech.com tetratech.com

Address

Phone

Project

312 E 52 Bypass

Pilot Mountain, NC 27041

CONTACT 864

REFERENCE

Ben Bryant - property owner  
704-276-2704

Kenneth Rhumae, FOSC, EPA

John Snyder - START Manager, TF

Brian Croft - START Field Team, TF

All activities conducted herein  
are in accordance with applicable  
EPA SESD FBQSTP, unless otherwise  
noted

1/12/16

0550 - START Snyder on site —  
OSC Rhame + NCEM on site —  
2x piles 8' x 50' x 150' of tires  
in building on fire. Runoff  
from extinguishing getting into stream  
(Tom's Creek)

START to collect some surf water  
samples.

- On site
- Depot Street
- Intake
- Upstream

0615 - Planning meeting @ fire station  
Forecast calls for heavy winds  
today 25-35 mph.

644 - Snyder calibrates MultiRAE —

Pro EPA#30

Cal Gas: Iso: AGG Lot#0106FD12 2/11/16

Multi: Pme Lot#CAP413-18-10 6/11/16

Fresh air cal: pass

VOC pass: 10010 ppb pass —

Multi Gas: pass.

Planning meeting adjourns @ 0700,  
reconvene @ 0805.

1/12/16

0730 - EPA/START/FD return to  
site to survey scene

0810 - All back to Fire+Rescue Post  
(Command post [CP]) for meeting.  
- coordinate response w/ Superintendent  
of school district. Will install  
one DutzRAM in nearby school  
interior + one DutzRAM in  
exterior of nearby residential  
area.

0850 - START conducts rounding air  
monitoring w/ MultiRAE (see geoplatform)

MR01 - VOC = 0 ppb @ 0850

MR02 - VOC = 0 ppb @ 0852

MR03 - VOC = 0 ppb @ 0858

0910 - Back to CP, START to breakfast.

0930 - Back to CP. Snyder to begin  
surface water sampling

1000 - Collect SW-OUTFALL-011216

~~1610 - Collect SW-OUTFALL-011216-DOP~~

1625 - Collect SW-DEPOT-011216

1640 - Collect SW-DEPOT-011216-DOP

1655 - Collect SW-UPSTREAM-011216

1115 - Collect SW-INTAKE-011216

1/12/16

- 1130 - START returns to CP  
1200 - Check route 52 @ smoke crossing w/ MultiRAE  
MR04 - VOC = 20 ppb  
1233 - OSC Rhorne mobilizes ERRS, START processes samples  
1412 - START offsite to Lab. (Pace Eden)  
1700 - Snyder back on site. START Brian Croft on site w/ box truck.  
1720 - Snyder + Croft tour site  
1800 - EPA + START back @ CP.  
1900 - All off site

1/13/16

0715 - START Snyder + Croft on site @ CP

Weather: currently 22°, calm, clear  
Objective: collect surf water samples, collect air samples, conduct air monitoring, documentation.

0720: Prepare air sampling pumps  
- Meeting w/ EPA/START/ERRS

0830 - Croft off to deploy air sampling/monitoring points

0930 - Snyder prepped sample containers, off to sample surf water.

- ~~no~~ no runoff observed coming from building. No flow from OUTFALL location, cannot sample today

1040 - Collect SW-DEPOT-011316

1100 - Collect SW-UPSTREAM-011316

1110 - Gate to town Water Works is locked, call OSC Rhorne to resolve

1115 - Gate unlocked

1125 - Collect SW-INTAKE-011316

1145 - Snyder back @ CP

1200 - Snyder offsite for lunch + ice

1220 - Back on site to pack cooler

*JS*

Rate on the River

1/13/16

1320-Snyder escorts NC asbestos rep  
to Crestwood Drno to investigate  
bulk asbestos possibly from  
fire fallout in residential yards

- Bulk material fallout appears to  
be fairly isolated along Crestwood,  
maybe 1,000' wide

- NC collects 4 bulk material samples

- NC Public Health, B Allen Mosby, Jr  
Industrial Hygiene Inspector

1411-Snyder to FedEx to ship samples

1520-Snyder back on site

1830-START off site

1/13/16 air sampling data

sample Name	Description	Pump #	Start	End	Time	Flow min	Flow max	Volume (Liters)
PMTF-AS-01-011316	Upwind	G1	4:34	4:59	25:25	59L	75L	3652.6
PMTF-AS-02-011316	Downwind, line property line	G2	4:58	5:16	18:18	99L	85L	3643.6
PMTF-AS-03-011316	Downwind, community college	G3	5:18	5:55	37:37	65L	99L	3659.1

1/14/16

0700- START Snyder, Croft + OSC  
Rhame on site.

Weather: currently 30°, high of 55°  
light winds expected.

Objective: conduct air monitoring (particulate),  
collect air/surf water samples

0720- START preps sample containers  
+ pumps. Croft to manage air,  
Snyder to manage surf water.

0845- Collect SW-OUTFALL-011416

0905- Collect SW-DEPOT-011416

0920- Collect SW-UPSTREAM-011416

0940- Collect SW-INTAKE-011416

1025- Snyder off to lab to drop off  
surf water samples

1448- Snyder back @ CP.

1537- Snyder + Croft respond to air  
quality complaint @ 318 N Key St  
Air quality is 5-10  $\mu\text{g}/\text{m}^3$ . Talk to resident

1600- JS + BC pick up air samples

1630- JS processes 1/12/16 sample results

1845- JS + BC off site

*[Signature]*

1/14/16 air sampling info

Sample Name	Description	Pump #	Time	Flow	Volume (L)
PMTF-AS-01-011416	Upwind	G1	Start: 0091 End: 0710	Start: 7.60 L/min End: 7.57 L/min Avg: 7.59 L/min	3,747.3
PMTF-AS-02-011416	Downwind @ HayCo Construction	G2	Start: 0710 End: 0956	Start: 7.55 L/min End: 6.99 L/min Avg: 7.27 L/min	3,572.6

*[Signature]*

7/15/16 Friday

0655 - START JS+BC on site.

Weather: currently 40° + calm, calling for showers in early pm.

Objective: collect air sample, conduct air monitoring.

0730 - JS+BC set out DitzRAMs + sampling pumps.

- No surf water samples will be collected today.

0930 troubleshooting "source 1 failure" message on Dataran (DE 711)

note: smoke from fire has been rising straight up this morning - minimal impact on surrounding areas

1130 START Craft reports to retrieve air samples for PCM analyses

- firefighting ops continue onsite:

- clearing debris to access burning piles of rubber

- extinguishing tire/burning rubber in water

- transporting extinguished tires for temporary stockpile in front/north side of bldg

note: smoke still generally rising straight up, but appears to be starting to come from E/NE

BSC 7/15/16

7/15/16 Friday

1200 air samples retrieved - @ EMS to prepare & package samples for Fed Ex

1250 rain begins falling

- START Craft continues mobile monitoring for particulates

- primary focus to S/W of site - wind now from N/NE

1520 steady rains continue

START Craft efforts to deliver air samples to Fed Ex

1640 START Craft returns to site

- continue mobile monitoring for particulates

1700 @ EMS bldg

- particulate concentrations are minimal in surrounding areas w/ steady rains falling

- winds still out of E/NE

1730 updating air monitoring Summary

1800 offshore

BSC 7/15/16

Return to Room



1/16/16 Saturday

0650 Staker Craft onsite

0730 START & OSC tour building of Kemron  
RM - red RM being delayed sometime  
today

0900 reanalyzing analytical summary tables for  
SW samples

1045 continue mobile particulate monitoring

1203 onsite to observe site ops:

- ERS continues ops @ back portion of  
firefighting area near A/C unit
- trying to sort metal debris & quench burning  
tires in rolloff bldg (one is now delayed on  
concrete pad near equip)
- stockpiling quenched tires on concrete pad for  
temporary storage

1400 site ops continue:

- sorting debris
- quenching tires
- stockpiling quenched tires - temperature @  
top of stockpile was approx 100°F based  
on thermal gun measured by fire dept

1650 conduct additional particulate monitoring day

Marsh in response to smoke plume drifting  
in that direction - results ranged from good to  
BSC

Scale 1 square =

1/16/16 Saturday

hazardous, but were very sporadic - no long term  
consistent readings - completely dependent on wind  
which shifts often

1750 of site

BSC 1/16/16

Scale 1 square =

Return on Run

1/17/16 Sunday

0700 onsite

- ERRS continuing ops:

- still working on back portion of building to extinguish burning toys & clear access to other piles - A/C unit still atop roof
- using 2 roll-off boxes for quenching - 3rd box coming this morning to help speed up quenching ops

0815 begin particulate monitoring (mobile)

- snow falling

- wind generally from N/NE

1025 inspected outfall @ SE corner of bldg - very little to no flow

1215 ops meeting (New Tire &amp; Jones onsite)

- concern about tire chips (small ~ 3/4") reportedly present in room to west of current extent of burning materials
- Kerner working to install a pump to begin recyding water that is accumulating in basement/tunnels - will use in suppression ops & also to mist/wet 3/4" chips in room mentioned above - they have "frayed" ends (i.e. r/fm)

1235 START CROA offsite

BSC 1/17/16

1/18/16

0700 - START Snyder on site

- Zero/prep DataRAM A80923 (2.5 PM)

Weather: clear, calm, 20° (0710)

0800 Planning meeting w/ parties

0900 - Respond to odor complaint @

HayCo Construction. Conduct interior air monitoring w/ DataRAM

0920 - Complete 8 minute run in HayCo office. TWA = 19.1  $\mu\text{s}/\text{m}^3$ , end concentration = 11.1  $\mu\text{s}/\text{m}^3$ 

923: Begin longer interior monitoring in HayCo. DataRAM left @ HayCo office EPA advises office workers to avoid smoke if possible.

0930 - EPA/START back @ CP. JS works to install DataRAM software on lab top.

1038: Pull DataRAM from HayCo.

TWA = 14.2  $\mu\text{s}/\text{m}^3$  End: 15.7  $\mu\text{s}/\text{m}^3$ 

1046: install DataRAM downwind @ outfall

1246: end run, move to HayCo fence line

1433: end run, reset. TWA = 187.6  $\mu\text{s}/\text{m}^3$ 1505: end run, TWA = 448  $\mu\text{s}/\text{m}^3$ 

1745: START/EPA offsite

BSC

1/19/16 (Tuesday)

0700 - START/EPA on site

Weather: currently  $14^{\circ}$ , light wind.  
high of  $33^{\circ}$

0710 - Prep DataRAM

0800 - DUR for surf water samples  
sent by J Vickers. Snyder updates  
summary tables post to OSC.net.

0830 - EPA/START to Dobson for  
meeting w/ county.

0900 - JS/KR @ county office for  
meeting w/  $\frac{1}{2}$  county officials

1030 - Back @ CP. Snyder to HayCo  
Construction for interior air  
monitoring. Leave DataRAM

1200 - SNYDER to lunch

1230 - Back on site

1500 - JS to HayCo to pick up DataRAM  
TWA =  $15.8 \mu\text{S}/\text{m}^3$  End conc:  $5.7 \mu\text{S}/\text{m}^3$

1830 - START/EPA off site

1/20/16 (Wednesday)

0700 - START JS + OSC Rhome on site

Weather: light wind ~~from~~ <sup>JS from</sup> W/NW  
 $20^{\circ}$  currently, overcast.

0900 - START to 4804 NC 268 East  
in response to resident complaints  
336-710-9480

0920 - DataRAM left in 4804 NC 268  
East Front Yard

1053: End Run TWA:  $5.5 \mu\text{S}/\text{m}^3$  End conc:  $5.3 \mu\text{S}/\text{m}^3$

1520 - JS on site to assist w/ vac truck

1745 - EPA/START survey for

1930 - EPA/START off site for day

1/21/16 (Thursday)

0700 - EPA/START on site. (CP)

Weather: clear, calm, currently 25° High at 40°

0800 - JS to fire for observation + assist w/ runoff management.

1100 - JS back to CP

1230 - JS + OSC Rhame to lunch

1300 - Back on site

1340 - JS to site to assist w/ runoff management

1600 - Snyder offsite, to ROD. —

*[Signature]*

1/26/16

0900 - START Snyder on site

Weather: clear, calm, 45°

Objective: oversight of equipment decon.

Shumrock is on site taking care of their equipment. - Talk to foreman Willie about replacing absorbent boom around two main storm drains.

- Slight sheen observed on standing water in rear of building.

- 0930 - Meet up w/ Dick Lumbryer (Kanan) and New River rep to discuss ops for the day.

- 1015 - Tour building w/ New River's building assessor.

- 1210 - Snyder to Academy St + Depot St culverts. No sheen or odor noted

- 1330 - Shumrock will stage decontaminated 2x roll-offs, 1x dozer/loader, 2x excavators @ front of plant for pickup tomorrow.

- inform owner of status

- Snyder offsite

*[Signature]*

End of logbook

2/18/16

*[Signature]*



HEARST  
television

## COUNTY OF SURRY OFFICE OF FIRE MARSHAL



**R. DOUGLAS JONES**  
Fire Marshal

1218 State Street, Suite 600      Mt. Airy (336) 783-9040  
Mount Airy, North Carolina 27030      Fax (336) 783-9046  
Email: jonesd@co.surry.nc.us      Elkin (336) 835-6113



**North Carolina  
Public Health**

North Carolina  
Department of Health and Human Services  
Division of Public Health

**B. Allen Mosby, Jr.**  
Industrial Hygiene Inspector

Health Hazards Control Unit  
1912 Mail Service Center • Raleigh, NC 27699-1912  
Main: 919-707-5950 • Direct: 919-707-5981  
Fax: 919-870-4808  
Allen.Mosby@dhhs.nc.gov/www.epi.state.nc.us



**NORTH CAROLINA DEPARTMENT OF  
ENVIRONMENT AND NATURAL RESOURCES**

**C.T. Gerstell**  
Environmental Senior Specialist  
Solid Waste Section  
**DIVISION OF WASTE MANAGEMENT**

Mooresville Regional Office  
610 East Center Ave. Suite 301  
Mooresville, NC 28115

704-663-1699 Phone  
704-663-6040 Fax  
Charles.Gerstell@ncdenr.gov

<http://portal.ncdenr.org/web/wm/sw/>

All Weather Pens

Notebooks

**RiteInTheRain.com**

(336) 771-9944  
(336) 703-6218 DIRECT  
(980) 312-0800 CELL  
(336) 703-6249 FAX  
jhe@hearsst.com  
Twitter: @Jhearsst  
WXII12.COM

**ENCLOSURE 5**  
**TABLE OF WITNESSES**  
(One Page)



**TABLE OF WITNESSES**  
**PILOT MOUNTAIN TIRE FIRE**  
**PILOT MOUNTAIN, SURRY COUNTY, NORTH CAROLINA**

Mr. Kenneth Rhame  
On-Scene Coordinator  
U.S. Environmental Protection Agency (EPA), Region 4  
61 Forsyth Street, SW  
Atlanta, GA 30303  
Telephone No.: (919) 475-7397

Mr. John Snyder, PG  
Superfund Technical Assessment and Response Team (START)  
Tetra Tech, Inc.  
1955 Evergreen Blvd.  
Building 200, Suite 300  
Duluth, GA 30096  
Telephone No.: (678) 775-3085

Mr. Brian Croft  
START  
Tetra Tech, Inc.  
1955 Evergreen Blvd.  
Building 200, Suite 300  
Duluth, GA 30096  
Telephone No.: (678) 775-3138

Mr. John Shelton  
Director, Surry County Emergency Services  
1218 State Street  
Mount Airy, NC 27030  
Telephone No.: (336) 783-9000

Mr. R. Douglas Jones  
Surry County Fire Marshal  
1218 State Street  
Mount Airy, NC 27030  
Telephone No.: (336) 783-9046




**ENCLOSURE 6**  
**DATA VALIDATION REPORTS**  
(74 Pages)





## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 1 of 5)

<b>Site Name</b>	Pilot Mountain Tire Fire	<b>Project No.</b>	TT-01-046
<b>Data Reviewer (signature and date)</b>	 January 20, 2016	<b>Laboratory/Report No.</b>	Pace Analytical/92282728
<b>Analyses</b>	Volatile Organic Compounds (VOCs) by SW8260B; Semivolatile Organic Compounds (SVOCs) by SW8270D; Gasoline Range Organics (GRO) by SW8015B; Diesel Range Organics (DRO) by SW8015B; and Metals by SW6010C/7470A		
<b>Samples</b>	SW-DEPOT-011216, SW-INTAKE-011216, SW-OUTFALL-011216, and SW-UPSTREAM-011216		
<b>Field Duplicate Pairs</b>	SW-DEPOT-011216/SW-DEPOT-011216-DUP		
<b>Field Blanks</b>	TRIP BLANK		

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the EPA *National Functional Guidelines (NFG) for Superfund Organic Methods Data Review* (August 2014) and the EPA *NFG for Inorganic Superfund Data Review* (August 2014) data validation guidance documents, as well as the above referenced methods.

### OVERALL EVALUATION:

Rejection of data was not required for this data package. Results were qualified due to exceedances for method blanks and field duplicates. The data can be used with the qualifications indicated in this checklist.

### Data completeness:

Within Criteria	Exceedance/Notes
Y	

### Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	



## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 2 of 5)

### Method blanks:

Within Criteria	Exceedance/Notes
N	DRO = 0.24 mg/L – raise to RL and flag “U” for SW-DEPOT-011216

### Field blanks:

Within Criteria	Exceedance/Notes
N	TRIP BLANK: toluene = 0.37 µg/L – no action (associated results greater than ten times blank value or non-detect)

### System monitoring compounds (surrogates and labeled compounds):

Within Criteria	Exceedance/Notes
N	No SVOC %Rs for SW-OUTFALL-011216 – no action per NFGs due to dilutions

### MS/MSD:

Within Criteria	Exceedance/Notes
Y	

### Post digestion spikes:

Within Criteria	Exceedance/Notes
NA	





## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 3 of 5)

### Serial dilutions:

Within Criteria	Exceedance/Notes
NA	

### Laboratory duplicates:

Within Criteria	Exceedance/Notes
Y	

### Field duplicates:

Within Criteria	Exceedance/Notes
N	SW-DEPOT-011216/SW-DEPOT-011216: chloromethane RPD = 108% - flag “J” for both samples

### Total versus dissolved metals results evaluation:

Within Criteria	Exceedance/Notes
NA	

### LCSS/LCSDs:

Within Criteria	Exceedance/Notes
N	1647123: high %R for hexachloro-1,3-butadiene – no action (associated results non-detect)



## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 4 of 5)

### Toxicity equivalents (TEQs) and isomer specificity (dioxins/furans, cBaP, and PCB congeners only):

Within Criteria	Exceedance/Notes
NA	

### Sample dilutions:

Within Criteria	Exceedance/Notes
Y	10x: acetone, benzene, 2-butanone, 4-methyl-2-pentanone, and SVOCs except aniline and benzoic acid for SW-OUTFALL-011216 160x: aniline and benzoic acid for SW-OUTFALL-011216

### Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

### Estimated detection limit (EDL), estimated maximum possible concentration (EMPC), and target analyte identification (dioxins/furans only):

Within Criteria	Exceedance/Notes
NA	

### MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	Results between MDL and RL – flagged “J” by laboratory



## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 5 of 5)

### Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

### Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-DEPOT-011216		Lab ID: 92282728002		Collected: 01/12/16 10:25		Received: 01/13/16 09:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	0.11J	mg/L	0.50 U	0.10	1	01/13/16 11:00	01/13/16 18:48		B
<b>Surrogates</b>									
n-Pentacosane (S)	88	%	48-110		1	01/13/16 11:00	01/13/16 18:48	629-99-2	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	0.020J	mg/L	0.080	0.016	1		01/15/16 14:38		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-145		1		01/15/16 14:38	460-00-4	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0 U	5.0	1	01/13/16 22:00	01/14/16 10:36	7440-38-2	
Barium	85.2	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:36	7440-39-3	
Cadmium	ND	ug/L	1.0 U	0.50	1	01/13/16 22:00	01/14/16 10:36	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:36	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:36	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:36	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:36	7440-22-4	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20 U	0.10	1	01/14/16 09:40	01/14/16 12:16	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0 U	1.7	1	01/13/16 13:30	01/13/16 17:44	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 17:44	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 17:44	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 17:44	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/13/16 13:30	01/13/16 17:44	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/13/16 13:30	01/13/16 17:44	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/13/16 13:30	01/13/16 17:44	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/13/16 13:30	01/13/16 17:44	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 17:44	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.1	1	01/13/16 13:30	01/13/16 17:44	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 17:44	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 17:44	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/13/16 13:30	01/13/16 17:44	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/13/16 13:30	01/13/16 17:44	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 17:44	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 17:44	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 17:44	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 17:44	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 17:44	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 17:44	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/13/16 13:30	01/13/16 17:44	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/13/16 13:30	01/13/16 17:44	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:28 PM

*gaw*  
01/20/16

Page 18 of 57



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-DEPOT-011216 Lab ID: 92282728002 Collected: 01/12/16 10:25 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 17:44	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 17:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 17:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 17:44	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/13/16 13:30	01/13/16 17:44	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 17:44	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 17:44	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 17:44	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 17:44	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/13/16 13:30	01/13/16 17:44	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/13/16 13:30	01/13/16 17:44	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 17:44	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/13/16 13:30	01/13/16 17:44	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/13/16 13:30	01/13/16 17:44	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 17:44	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 17:44	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 17:44	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 17:44	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 17:44	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 17:44	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 17:44	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 17:44	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 17:44	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44		
Naphthalene	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 17:44	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/13/16 13:30	01/13/16 17:44	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/13/16 13:30	01/13/16 17:44	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/13/16 13:30	01/13/16 17:44	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/13/16 13:30	01/13/16 17:44	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 17:44	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 17:44	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 17:44	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/13/16 13:30	01/13/16 17:44	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/13/16 13:30	01/13/16 17:44	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/13/16 13:30	01/13/16 17:44	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 17:44	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 17:44	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 17:44	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:28 PM

*gaw*  
01/20/16

Page 19 of 57

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: SW-DEPOT-011216 Lab ID: 92282728002 Collected: 01/12/16 10:25 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

### 8270 MSSV HVI Semivol Organic

Analytical Method: EPA 8270 Preparation Method: EPA 3510

#### Surrogates

Nitrobenzene-d5 (S)	48	%	21-110		1	01/13/16 13:30	01/13/16 17:44	4165-60-0	
2-Fluorobiphenyl (S)	48	%	27-110		1	01/13/16 13:30	01/13/16 17:44	321-60-8	
Terphenyl-d14 (S)	72	%	31-107		1	01/13/16 13:30	01/13/16 17:44	1718-51-0	
Phenol-d6 (S)	12	%	10-110		1	01/13/16 13:30	01/13/16 17:44	13127-88-3	
2-Fluorophenol (S)	13	%	12-110		1	01/13/16 13:30	01/13/16 17:44	367-12-4	
2,4,6-Tribromophenol (S)	30	%	27-110		1	01/13/16 13:30	01/13/16 17:44	118-79-6	

### 8260 MSV Low Level

Analytical Method: EPA 8260

Acetone	ND	ug/L	25.0	10.0	1		01/14/16 14:58	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 14:58	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:58	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 14:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 14:58	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 14:58	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 14:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 14:58	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 14:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 14:58	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 14:58	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 14:58	67-66-3	
Chloromethane	4.0	ug/L	1.0	0.11	1		01/14/16 14:58	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 14:58	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 14:58	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 14:58	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 14:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 14:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 14:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 14:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 14:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 14:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 14:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 14:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 14:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 14:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 14:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 14:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 14:58	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 14:58	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 14:58	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:28 PM

*gaw*  
01/20/16

Page 20 of 57



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

**Sample:** SW-DEPOT-011216 **Lab ID:** 92282728002 **Collected:** 01/12/16 10:25 **Received:** 01/13/16 09:15 **Matrix:** Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 14:58	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:58	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 14:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 14:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 14:58	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 14:58	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 14:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 14:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 14:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 14:58	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 14:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 14:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 14:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 14:58	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 14:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 14:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 14:58	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 14:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 14:58	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 14:58	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 14:58	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 14:58	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/14/16 14:58	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1		01/14/16 14:58	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		01/14/16 14:58	2037-26-5	

*gaw*  
01/20/16

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: SW-DEPOT-011216-DUP Lab ID: 92282728003 Collected: 01/12/16 10:40 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50 U	0.10	1	01/13/16 11:00	01/13/16 19:11		
<b>Surrogates</b>									
n-Pentacosane (S)	85	%	48-110		1	01/13/16 11:00	01/13/16 19:11	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	0.041J	mg/L	0.080	0.016	1		01/15/16 15:01		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-145		1		01/15/16 15:01	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0 U	5.0	1	01/13/16 22:00	01/14/16 10:39	7440-38-2	
Barium	85.3	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:39	7440-39-3	
Cadmium	ND	ug/L	1.0 U	0.50	1	01/13/16 22:00	01/14/16 10:39	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:39	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:39	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:39	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:39	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20 U	0.10	1	01/14/16 09:40	01/14/16 12:23	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0 U	1.7	1	01/13/16 13:30	01/13/16 18:36	83-32-9	
Acenaphthylene	ND	ug/L	10.0 U	1.8	1	01/13/16 13:30	01/13/16 18:36	208-96-8	
Aniline	2.8J	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 18:36	62-53-3	
Anthracene	ND	ug/L	10.0 U	1.1	1	01/13/16 13:30	01/13/16 18:36	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/13/16 13:30	01/13/16 18:36	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/13/16 13:30	01/13/16 18:36	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/13/16 13:30	01/13/16 18:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/13/16 13:30	01/13/16 18:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 18:36	207-08-9	
Benzoic Acid	34.3J	ug/L	50.0	11.1	1	01/13/16 13:30	01/13/16 18:36	65-85-0	
Benzyl alcohol	ND	ug/L	20.0 U	3.4	1	01/13/16 13:30	01/13/16 18:36	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 18:36	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/13/16 13:30	01/13/16 18:36	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/13/16 13:30	01/13/16 18:36	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 18:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 18:36	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 18:36	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 18:36	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 18:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 18:36	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/13/16 13:30	01/13/16 18:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/13/16 13:30	01/13/16 18:36	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:28 PM

*gaw*  
01/20/16

Page 22 of 57



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: SW-DEPOT-011216-DUP Lab ID: 92282728003 Collected: 01/12/16 10:40 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 18:36	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 18:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 18:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 18:36	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/13/16 13:30	01/13/16 18:36	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 18:36	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 18:36	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 18:36	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 18:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/13/16 13:30	01/13/16 18:36	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/13/16 13:30	01/13/16 18:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 18:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/13/16 13:30	01/13/16 18:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/13/16 13:30	01/13/16 18:36	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 18:36	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 18:36	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 18:36	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 18:36	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 18:36	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 18:36	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 18:36	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 18:36	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 18:36	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36		
Naphthalene	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 18:36	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/13/16 13:30	01/13/16 18:36	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/13/16 13:30	01/13/16 18:36	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/13/16 13:30	01/13/16 18:36	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/13/16 13:30	01/13/16 18:36	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 18:36	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 18:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 18:36	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/13/16 13:30	01/13/16 18:36	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/13/16 13:30	01/13/16 18:36	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/13/16 13:30	01/13/16 18:36	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 18:36	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 18:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 18:36	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:28 PM

*gaw*  
01/20/16

Page 23 of 57

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: SW-DEPOT-011216-DUP Lab ID: 92282728003 Collected: 01/12/16 10:40 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

### 8270 MSSV HVI Semivol Organic

Analytical Method: EPA 8270 Preparation Method: EPA 3510

#### Surrogates

Nitrobenzene-d5 (S)	73	%	21-110		1	01/13/16 13:30	01/13/16 18:36	4165-60-0	
2-Fluorobiphenyl (S)	77	%	27-110		1	01/13/16 13:30	01/13/16 18:36	321-60-8	
Terphenyl-d14 (S)	79	%	31-107		1	01/13/16 13:30	01/13/16 18:36	1718-51-0	
Phenol-d6 (S)	27	%	10-110		1	01/13/16 13:30	01/13/16 18:36	13127-88-3	
2-Fluorophenol (S)	37	%	12-110		1	01/13/16 13:30	01/13/16 18:36	367-12-4	
2,4,6-Tribromophenol (S)	71	%	27-110		1	01/13/16 13:30	01/13/16 18:36	118-79-6	

### 8260 MSV Low Level

Analytical Method: EPA 8260

Acetone	ND	ug/L	25.0 U	10.0	1		01/14/16 14:41	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 14:41	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:41	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 14:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 14:41	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 14:41	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 14:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 14:41	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 14:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 14:41	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 14:41	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 14:41	67-66-3	
Chloromethane	13.3 J	ug/L	1.0	0.11	1		01/14/16 14:41	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0 U	0.35	1		01/14/16 14:41	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 14:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 14:41	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 14:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 14:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 14:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 14:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 14:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 14:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 14:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 14:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 14:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 14:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 14:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 14:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 14:41	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 14:41	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 14:41	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:28 PM

*gaw*  
01/20/16

Page 24 of 57



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

**Sample:** SW-DEPOT-011216-DUP **Lab ID:** 92282728003 **Collected:** 01/12/16 10:40 **Received:** 01/13/16 09:15 **Matrix:** Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 14:41	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:41	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 14:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 14:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 14:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 14:41	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 14:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 14:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 14:41	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 14:41	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 14:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 14:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 14:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 14:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 14:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 14:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 14:41	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 14:41	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 14:41	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 14:41	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 14:41	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 14:41	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/14/16 14:41	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		01/14/16 14:41	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		01/14/16 14:41	2037-26-5	

*gaw*  
01/20/16

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:28 PM

Page 25 of 57

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: SW-INTAKE-011216 Lab ID: 92282728005 Collected: 01/12/16 11:15 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50 U	0.10	1	01/13/16 11:00	01/13/16 19:35		
<b>Surrogates</b>									
n-Pentacosane (S)	80	%	48-110		1	01/13/16 11:00	01/13/16 19:35	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	0.021J	mg/L	0.080	0.016	1		01/15/16 15:47		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-145		1		01/15/16 15:47	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0 U	5.0	1	01/13/16 22:00	01/14/16 10:45	7440-38-2	
Barium	27.7	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:45	7440-39-3	
Cadmium	ND	ug/L	1.0 U	0.50	1	01/13/16 22:00	01/14/16 10:45	7440-43-9	
Chromium	8.5	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:45	7440-47-3	
Lead	ND	ug/L	5.0 U	2.5	1	01/13/16 22:00	01/14/16 10:45	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:45	7782-49-2	
Silver	ND	ug/L	5.0 U	2.5	1	01/13/16 22:00	01/14/16 10:45	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20 U	0.10	1	01/14/16 09:40	01/14/16 12:28	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0 U	1.7	1	01/13/16 13:30	01/13/16 19:52	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:52	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:52	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:52	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/13/16 13:30	01/13/16 19:52	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/13/16 13:30	01/13/16 19:52	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/13/16 13:30	01/13/16 19:52	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/13/16 13:30	01/13/16 19:52	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 19:52	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.1	1	01/13/16 13:30	01/13/16 19:52	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 19:52	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:52	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/13/16 13:30	01/13/16 19:52	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/13/16 13:30	01/13/16 19:52	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 19:52	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:52	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 19:52	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 19:52	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:52	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 19:52	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/13/16 13:30	01/13/16 19:52	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/13/16 13:30	01/13/16 19:52	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:28 PM

*gaw*  
01/20/16

Page 30 of 57



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: SW-INTAKE-011216 Lab ID: 92282728005 Collected: 01/12/16 11:15 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV HVI Semivol Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:52	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 19:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 19:52	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/13/16 13:30	01/13/16 19:52	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:52	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 19:52	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:52	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:52	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/13/16 13:30	01/13/16 19:52	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/13/16 13:30	01/13/16 19:52	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 19:52	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/13/16 13:30	01/13/16 19:52	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/13/16 13:30	01/13/16 19:52	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 19:52	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 19:52	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:52	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:52	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:52	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:52	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:52	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:52	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:52	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52		
Naphthalene	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:52	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/13/16 13:30	01/13/16 19:52	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/13/16 13:30	01/13/16 19:52	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/13/16 13:30	01/13/16 19:52	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/13/16 13:30	01/13/16 19:52	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:52	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 19:52	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:52	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/13/16 13:30	01/13/16 19:52	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/13/16 13:30	01/13/16 19:52	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/13/16 13:30	01/13/16 19:52	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 19:52	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 19:52	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 19:52	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:28 PM

  
01/20/16

Page 31 of 57



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: SW-INTAKE-011216 Lab ID: 92282728005 Collected: 01/12/16 11:15 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	73	%	21-110		1	01/13/16 13:30	01/13/16 19:52	4165-60-0	
2-Fluorobiphenyl (S)	81	%	27-110		1	01/13/16 13:30	01/13/16 19:52	321-60-8	
Terphenyl-d14 (S)	83	%	31-107		1	01/13/16 13:30	01/13/16 19:52	1718-51-0	
Phenol-d6 (S)	34	%	10-110		1	01/13/16 13:30	01/13/16 19:52	13127-88-3	
2-Fluorophenol (S)	44	%	12-110		1	01/13/16 13:30	01/13/16 19:52	367-12-4	
2,4,6-Tribromophenol (S)	64	%	27-110		1	01/13/16 13:30	01/13/16 19:52	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 14:07	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 14:07	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:07	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 14:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 14:07	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 14:07	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 14:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 14:07	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 14:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 14:07	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 14:07	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 14:07	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 14:07	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 14:07	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 14:07	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 14:07	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 14:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 14:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 14:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 14:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 14:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 14:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 14:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 14:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 14:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 14:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 14:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 14:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 14:07	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 14:07	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 14:07	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

  
01/20/16



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-INTAKE-011216 Lab ID: 92282728005 Collected: 01/12/16 11:15 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 14:07	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:07	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 14:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 14:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 14:07	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 14:07	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 14:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 14:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 14:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 14:07	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 14:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 14:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 14:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 14:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 14:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 14:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 14:07	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 14:07	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 14:07	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 14:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 14:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 14:07	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		01/14/16 14:07	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/14/16 14:07	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/14/16 14:07	2037-26-5	

*gaw*  
01/20/16

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:28 PM

Page 33 of 57

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: SW-OUTFALL-011216 Lab ID: 92282728001 Collected: 01/12/16 10:00 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
			Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510						
Diesel Range Organics(C10-C28)	49.9	mg/L	0.50	0.10	1	01/13/16 11:00	01/13/16 18:48		
<b>Surrogates</b>									
n-Pentacosane (S)	56	%	48-110		1	01/13/16 11:00	01/13/16 18:48	629-99-2	
<b>Gasoline Range Organics</b>									
			Analytical Method: EPA 5030/8015 Mod.						
Gas Range Organics (C6-C10)	2.9	mg/L	0.80	0.16	10		01/15/16 19:08		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-145		10		01/15/16 19:08	460-00-4	
<b>6010 MET ICP</b>									
			Analytical Method: EPA 6010 Preparation Method: EPA 3010A						
Arsenic	ND	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:27	7440-38-2	
Barium	170	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:27	7440-39-3	
Cadmium	0.93J	ug/L	1.0	0.50	1	01/13/16 22:00	01/14/16 10:27	7440-43-9	
Chromium	16.7	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:27	7440-47-3	
Lead	55.5	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:27	7439-92-1	
Selenium	8.0J	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:27	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:27	7440-22-4	
<b>7470 Mercury</b>									
			Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.40	0.20	1	01/14/16 09:40	01/14/16 12:14	7439-97-6	D3
<b>8270 MSSV HVI Semivol Organic</b>									
			Analytical Method: EPA 8270 Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	100	16.8	10	01/13/16 13:30	01/13/16 17:19	83-32-9	
Acenaphthylene	ND	ug/L	100	17.9	10	01/13/16 13:30	01/13/16 17:19	208-96-8	
Aniline	2680	ug/L	1600	206	160	01/13/16 13:30	01/14/16 11:57	62-53-3	
Anthracene	ND	ug/L	100	10.8	10	01/13/16 13:30	01/13/16 17:19	120-12-7	
Benzo(a)anthracene	ND	ug/L	100	7.2	10	01/13/16 13:30	01/13/16 17:19	56-55-3	
Benzo(a)pyrene	ND	ug/L	100	7.1	10	01/13/16 13:30	01/13/16 17:19	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	100	8.1	10	01/13/16 13:30	01/13/16 17:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	100	9.7	10	01/13/16 13:30	01/13/16 17:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	100	8.7	10	01/13/16 13:30	01/13/16 17:19	207-08-9	
Benzoic Acid	40900	ug/L	8000	1780	160	01/13/16 13:30	01/14/16 11:57	65-85-0	
Benzyl alcohol	ND	ug/L	200	34.0	10	01/13/16 13:30	01/13/16 17:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	100	13.2	10	01/13/16 13:30	01/13/16 17:19	101-55-3	
Butylbenzylphthalate	ND	ug/L	100	7.5	10	01/13/16 13:30	01/13/16 17:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	200	41.7	10	01/13/16 13:30	01/13/16 17:19	59-50-7	
4-Chloroaniline	ND	ug/L	200	33.9	10	01/13/16 13:30	01/13/16 17:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	100	16.8	10	01/13/16 13:30	01/13/16 17:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	100	14.7	10	01/13/16 13:30	01/13/16 17:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	100	16.2	10	01/13/16 13:30	01/13/16 17:19	108-60-1	
2-Chloronaphthalene	ND	ug/L	100	22.1	10	01/13/16 13:30	01/13/16 17:19	91-58-7	
2-Chlorophenol	ND	ug/L	100	14.6	10	01/13/16 13:30	01/13/16 17:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	100	20.9	10	01/13/16 13:30	01/13/16 17:19	7005-72-3	
Chrysene	ND	ug/L	100	6.5	10	01/13/16 13:30	01/13/16 17:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	100	7.0	10	01/13/16 13:30	01/13/16 17:19	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:28 PM

*gaw*  
01/20/16

Page 14 of 57



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: SW-OUTFALL-011216 Lab ID: 92282728001 Collected: 01/12/16 10:00 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV HVI Semivol Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Dibenzofuran	ND	ug/L	100	17.7	10	01/13/16 13:30	01/13/16 17:19	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	100	11.8	10	01/13/16 13:30	01/13/16 17:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	100	10.9	10	01/13/16 13:30	01/13/16 17:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	100	12.3	10	01/13/16 13:30	01/13/16 17:19	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	200	14.2	10	01/13/16 13:30	01/13/16 17:19	91-94-1	
2,4-Dichlorophenol	ND	ug/L	100	16.6	10	01/13/16 13:30	01/13/16 17:19	120-83-2	
Diethylphthalate	ND	ug/L	100	13.3	10	01/13/16 13:30	01/13/16 17:19	84-66-2	
2,4-Dimethylphenol	662	ug/L	100	21.9	10	01/13/16 13:30	01/13/16 17:19	105-67-9	
Dimethylphthalate	ND	ug/L	100	14.8	10	01/13/16 13:30	01/13/16 17:19	131-11-3	
Di-n-butylphthalate	ND	ug/L	100	10.6	10	01/13/16 13:30	01/13/16 17:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	200	16.6	10	01/13/16 13:30	01/13/16 17:19	534-52-1	
2,4-Dinitrophenol	ND	ug/L	500	65.3	10	01/13/16 13:30	01/13/16 17:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	100	11.9	10	01/13/16 13:30	01/13/16 17:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	100	16.8	10	01/13/16 13:30	01/13/16 17:19	606-20-2	
Di-n-octylphthalate	ND	ug/L	100	8.6	10	01/13/16 13:30	01/13/16 17:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	60.0	8.5	10	01/13/16 13:30	01/13/16 17:19	117-81-7	
Fluoranthene	ND	ug/L	100	8.7	10	01/13/16 13:30	01/13/16 17:19	206-44-0	
Fluorene	ND	ug/L	100	15.6	10	01/13/16 13:30	01/13/16 17:19	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	100	18.4	10	01/13/16 13:30	01/13/16 17:19	87-68-3	
Hexachlorobenzene	ND	ug/L	100	11.4	10	01/13/16 13:30	01/13/16 17:19	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	100	17.5	10	01/13/16 13:30	01/13/16 17:19	77-47-4	
Hexachloroethane	ND	ug/L	100	14.6	10	01/13/16 13:30	01/13/16 17:19	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	100	18.0	10	01/13/16 13:30	01/13/16 17:19	193-39-5	
Isophorone	ND	ug/L	100	17.7	10	01/13/16 13:30	01/13/16 17:19	78-59-1	
1-Methylnaphthalene	ND	ug/L	100	18.0	10	01/13/16 13:30	01/13/16 17:19	90-12-0	
2-Methylnaphthalene	ND	ug/L	100	16.6	10	01/13/16 13:30	01/13/16 17:19	91-57-6	
2-Methylphenol(o-Cresol)	1240	ug/L	100	17.4	10	01/13/16 13:30	01/13/16 17:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	1470	ug/L	100	17.2	10	01/13/16 13:30	01/13/16 17:19		
Naphthalene	ND	ug/L	100	15.3	10	01/13/16 13:30	01/13/16 17:19	91-20-3	
2-Nitroaniline	ND	ug/L	500	28.2	10	01/13/16 13:30	01/13/16 17:19	88-74-4	
3-Nitroaniline	ND	ug/L	500	24.2	10	01/13/16 13:30	01/13/16 17:19	99-09-2	
4-Nitroaniline	ND	ug/L	200	25.4	10	01/13/16 13:30	01/13/16 17:19	100-01-6	
Nitrobenzene	ND	ug/L	100	16.6	10	01/13/16 13:30	01/13/16 17:19	98-95-3	
2-Nitrophenol	ND	ug/L	100	16.5	10	01/13/16 13:30	01/13/16 17:19	88-75-5	
4-Nitrophenol	ND	ug/L	500	57.9	10	01/13/16 13:30	01/13/16 17:19	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	100	12.6	10	01/13/16 13:30	01/13/16 17:19	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	100	20.7	10	01/13/16 13:30	01/13/16 17:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	100	13.2	10	01/13/16 13:30	01/13/16 17:19	86-30-6	
Pentachlorophenol	ND	ug/L	250	23.2	10	01/13/16 13:30	01/13/16 17:19	87-86-5	
Phenanthrene	ND	ug/L	100	10.3	10	01/13/16 13:30	01/13/16 17:19	85-01-8	
Phenol	1660	ug/L	100	16.8	10	01/13/16 13:30	01/13/16 17:19	108-95-2	
Pyrene	ND	ug/L	100	5.3	10	01/13/16 13:30	01/13/16 17:19	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	100	19.0	10	01/13/16 13:30	01/13/16 17:19	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	100	22.5	10	01/13/16 13:30	01/13/16 17:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	18.9	10	01/13/16 13:30	01/13/16 17:19	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.

Date: 01/19/2016 05:28 PM

*gaw*  
01/20/16



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: SW-OUTFALL-011216 Lab ID: 92282728001 Collected: 01/12/16 10:00 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

### 8270 MSSV HVI Semivol Organic

Analytical Method: EPA 8270 Preparation Method: EPA 3510

#### Surrogates

Nitrobenzene-d5 (S)	0	%	21-110		10	01/13/16 13:30	01/13/16 17:19	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	27-110		10	01/13/16 13:30	01/13/16 17:19	321-60-8	S4
Terphenyl-d14 (S)	0	%	31-107		10	01/13/16 13:30	01/13/16 17:19	1718-51-0	S4
Phenol-d6 (S)	0	%	10-110		10	01/13/16 13:30	01/13/16 17:19	13127-88-3	S4
2-Fluorophenol (S)	0	%	12-110		10	01/13/16 13:30	01/13/16 17:19	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	27-110		10	01/13/16 13:30	01/13/16 17:19	118-79-6	S4

### 8260 MSV Low Level

Analytical Method: EPA 8260

Acetone	2470	ug/L	250	100	10		01/14/16 16:06	67-64-1	
Benzene	252	ug/L	10.0	2.5	10		01/14/16 16:06	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 15:15	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 15:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 15:15	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 15:15	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 15:15	74-83-9	
2-Butanone (MEK)	423	ug/L	50.0	9.6	10		01/14/16 16:06	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 15:15	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 15:15	108-90-7	
Chloroethane	1.2	ug/L	1.0	0.54	1		01/14/16 15:15	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 15:15	67-66-3	
Chloromethane	5.1	ug/L	1.0	0.11	1		01/14/16 15:15	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 15:15	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 15:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 15:15	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 15:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 15:15	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 15:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 15:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 15:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 15:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 15:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 15:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 15:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 15:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 15:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 15:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 15:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 15:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 15:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 15:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 15:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 15:15	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 15:15	108-20-3	
Ethylbenzene	4.7	ug/L	1.0	0.30	1		01/14/16 15:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 15:15	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:28 PM

*gaw*  
01/20/16

Page 16 of 57

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: SW-OUTFALL-011216 Lab ID: 92282728001 Collected: 01/12/16 10:00 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Analytical Method: EPA 8260									
2-Hexanone	16.3	ug/L	5.0	0.46	1		01/14/16 15:15	591-78-6	
p-Isopropyltoluene	1.8	ug/L	1.0	0.31	1		01/14/16 15:15	99-87-6	
Methylene Chloride	ND	ug/L	2.0 U	0.97	1		01/14/16 15:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	1170	ug/L	50.0	3.3	10		01/14/16 16:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0 U	0.21	1		01/14/16 15:15	1634-04-4	
Naphthalene	7.6	ug/L	1.0	0.24	1		01/14/16 15:15	91-20-3	
Styrene	17.3	ug/L	1.0	0.26	1		01/14/16 15:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0 U	0.33	1		01/14/16 15:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 15:15	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 15:15	127-18-4	
Toluene	61.9	ug/L	1.0	0.26	1		01/14/16 15:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0 U	0.33	1		01/14/16 15:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 15:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 15:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 15:15	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 15:15	79-01-6	
Trichlorofluoromethane	0.34J	ug/L	1.0	0.20	1		01/14/16 15:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0 U	0.41	1		01/14/16 15:15	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 15:15	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 15:15	75-01-4	
Xylene (Total)	18.7	ug/L	2.0	0.66	1		01/14/16 15:15	1330-20-7	
m&p-Xylene	15.7	ug/L	2.0	0.66	1		01/14/16 15:15	179601-23-1	
o-Xylene	3.0	ug/L	1.0	0.23	1		01/14/16 15:15	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/14/16 15:15	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		01/14/16 15:15	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		01/14/16 15:15	2037-26-5	

*gaw*  
01/20/16

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: SW-UPSTREAM-011216		Lab ID: 92282728004		Collected: 01/12/16 10:55		Received: 01/13/16 09:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50 U	0.10	1	01/13/16 11:00	01/13/16 19:11		
<b>Surrogates</b>									
n-Pentacosane (S)	81	%	48-110		1	01/13/16 11:00	01/13/16 19:11	629-99-2	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	0.027 J	mg/L	0.080	0.016	1		01/15/16 15:24		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-145		1		01/15/16 15:24	460-00-4	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0 U	5.0	1	01/13/16 22:00	01/14/16 10:42	7440-38-2	
Barium	27.3	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:42	7440-39-3	
Cadmium	ND	ug/L	1.0 U	0.50	1	01/13/16 22:00	01/14/16 10:42	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:42	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:42	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:42	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:42	7440-22-4	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20 U	0.10	1	01/14/16 09:40	01/14/16 12:25	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0 U	1.7	1	01/13/16 13:30	01/13/16 19:01	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:01	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:01	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:01	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/13/16 13:30	01/13/16 19:01	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/13/16 13:30	01/13/16 19:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/13/16 13:30	01/13/16 19:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/13/16 13:30	01/13/16 19:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 19:01	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.1	1	01/13/16 13:30	01/13/16 19:01	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 19:01	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:01	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/13/16 13:30	01/13/16 19:01	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/13/16 13:30	01/13/16 19:01	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 19:01	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:01	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 19:01	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 19:01	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:01	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 19:01	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/13/16 13:30	01/13/16 19:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/13/16 13:30	01/13/16 19:01	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

*gaw*  
01/20/16

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-UPSTREAM-011216 Lab ID: 92282728004 Collected: 01/12/16 10:55 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b>			Analytical Method: EPA 8270 Preparation Method: EPA 3510						
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:01	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 19:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 19:01	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/13/16 13:30	01/13/16 19:01	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:01	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 19:01	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:01	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/13/16 13:30	01/13/16 19:01	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/13/16 13:30	01/13/16 19:01	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 19:01	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/13/16 13:30	01/13/16 19:01	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/13/16 13:30	01/13/16 19:01	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 19:01	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 19:01	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:01	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:01	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:01	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:01	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:01	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:01	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:01	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01		
Naphthalene	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:01	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/13/16 13:30	01/13/16 19:01	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/13/16 13:30	01/13/16 19:01	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/13/16 13:30	01/13/16 19:01	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/13/16 13:30	01/13/16 19:01	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:01	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 19:01	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:01	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/13/16 13:30	01/13/16 19:01	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/13/16 13:30	01/13/16 19:01	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/13/16 13:30	01/13/16 19:01	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 19:01	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 19:01	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 19:01	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.

*gaw*  
01/20/16



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: SW-UPSTREAM-011216 Lab ID: 92282728004 Collected: 01/12/16 10:55 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

### 8270 MSSV HVI Semivol Organic

Analytical Method: EPA 8270 Preparation Method: EPA 3510

#### Surrogates

Nitrobenzene-d5 (S)	63	%	21-110		1	01/13/16 13:30	01/13/16 19:01	4165-60-0	
2-Fluorobiphenyl (S)	68	%	27-110		1	01/13/16 13:30	01/13/16 19:01	321-60-8	
Terphenyl-d14 (S)	75	%	31-107		1	01/13/16 13:30	01/13/16 19:01	1718-51-0	
Phenol-d6 (S)	24	%	10-110		1	01/13/16 13:30	01/13/16 19:01	13127-88-3	
2-Fluorophenol (S)	33	%	12-110		1	01/13/16 13:30	01/13/16 19:01	367-12-4	
2,4,6-Tribromophenol (S)	59	%	27-110		1	01/13/16 13:30	01/13/16 19:01	118-79-6	

### 8260 MSV Low Level

Analytical Method: EPA 8260

Acetone	ND	ug/L	25.0	10.0	1		01/14/16 14:24	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 14:24	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:24	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 14:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 14:24	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 14:24	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 14:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 14:24	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 14:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 14:24	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 14:24	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 14:24	67-66-3	
Chloromethane	10.4	ug/L	1.0	0.11	1		01/14/16 14:24	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 14:24	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 14:24	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 14:24	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 14:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 14:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 14:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 14:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 14:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 14:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 14:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 14:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 14:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 14:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 14:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 14:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 14:24	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 14:24	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 14:24	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:28 PM

*gaw*  
01/20/16

Page 28 of 57

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: SW-UPSTREAM-011216 Lab ID: 92282728004 Collected: 01/12/16 10:55 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 14:24	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:24	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 14:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 14:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 14:24	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 14:24	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 14:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 14:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 14:24	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 14:24	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 14:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 14:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 14:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 14:24	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 14:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 14:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 14:24	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 14:24	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 14:24	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 14:24	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 14:24	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 14:24	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/14/16 14:24	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		01/14/16 14:24	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		01/14/16 14:24	2037-26-5	

*gaw*  
01/20/16

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: TRIP BLANK Lab ID: 92282728006 Collected: 01/12/16 00:00 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 00:29	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 00:29	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 00:29	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 00:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 00:29	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 00:29	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 00:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 00:29	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 00:29	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 00:29	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 00:29	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 00:29	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 00:29	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 00:29	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 00:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 00:29	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 00:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 00:29	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 00:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 00:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 00:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 00:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 00:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 00:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 00:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 00:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 00:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 00:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 00:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 00:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 00:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 00:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 00:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 00:29	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 00:29	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 00:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 00:29	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 00:29	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 00:29	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 00:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 00:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 00:29	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 00:29	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 00:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 00:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 00:29	79-34-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.

Date: 01/19/2016 05:28 PM

*gaw*  
01/20/16

Page 34 of 57

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Sample: TRIP BLANK		Lab ID: 92282728006		Collected: 01/12/16 00:00		Received: 01/13/16 09:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Analytical Method: EPA 8260									
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 00:29	127-18-4	
Toluene	0.37J	ug/L	1.0	0.26	1		01/14/16 00:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 00:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 00:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 00:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 00:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 00:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 00:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 00:29	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 00:29	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 00:29	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 00:29	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 00:29	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 00:29	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/14/16 00:29	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		01/14/16 00:29	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		01/14/16 00:29	2037-26-5	

*gaw*  
01/20/16


## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 1 of 5)

<b>Site Name</b>	Pilot Mountain Tire Fire	<b>Project No.</b>	TT-01-046
<b>Data Reviewer (signature and date)</b>	 January 20, 2016	<b>Laboratory/Report No.</b>	Pace Analytical/92282944
<b>Analyses</b>	Volatile Organic Compounds (VOCs) by SW8260B; Semivolatile Organic Compounds (SVOCs) by SW8270D; Gasoline Range Organics (GRO) by SW8015B; Diesel Range Organics (DRO) by SW8015B; and Metals by SW6010C/7470A		
<b>Samples</b>	SW-DEPOT-011316, SW-INTAKE-011316, and SW-UPSTREAM-011316		
<b>Field Blanks</b>	TRIP BLANK		

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the EPA *National Functional Guidelines (NFG) for Superfund Organic Methods Data Review* (August 2014) and the EPA *NFG for Inorganic Superfund Data Review* (August 2014) data validation guidance documents, as well as the above referenced methods.

### OVERALL EVALUATION:

Rejection of data was not required for this data package. No results required qualification due to the exceedances discussed below. The data can be used with the qualifications applied by the laboratory.

#### Data completeness:

Within Criteria	Exceedance/Notes
Y	

#### Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	The laboratory inadvertently logged sample SW-INTAKE-011316 in as SW-INTAKE-011317. The sample identification was manually-corrected on the sample summary sheets.



## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 2 of 5)

### Method blanks:

Within Criteria	Exceedance/Notes
Y	

### Field blanks:

Within Criteria	Exceedance/Notes
N	TRIP BLANK: methylene chloride = 1.2 µg/L – no action (associated results non-detect)

### System monitoring compounds (surrogates and labeled compounds):

Within Criteria	Exceedance/Notes
Y	

### MS/MSD:

Within Criteria	Exceedance/Notes
Y	

### Post digestion spikes:

Within Criteria	Exceedance/Notes
NA	



## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 3 of 5)

### Serial dilutions:

Within Criteria	Exceedance/Notes
NA	

### Laboratory duplicates:

Within Criteria	Exceedance/Notes
Y	

### Field duplicates:

Within Criteria	Exceedance/Notes
NA	

### Total versus dissolved metals results evaluation:

Within Criteria	Exceedance/Notes
NA	

### LCSS/LCSDs:

Within Criteria	Exceedance/Notes
N	1647549: high %R for hexachloro-1,3-butadiene – no action (associated results non-detect)



## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 4 of 5)

### Toxicity equivalents (TEQs) and isomer specificity (dioxins/furans, cBaP, and PCB congeners only):

Within Criteria	Exceedance/Notes
NA	

### Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

### Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

### Estimated detection limit (EDL), estimated maximum possible concentration (EMPC), and target analyte identification (dioxins/furans only):

Within Criteria	Exceedance/Notes
NA	

### MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	Results between MDL and RL – flagged “J” by laboratory





## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 5 of 5)

### Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

### Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282944

Sample: SW-DEPOT-011316		Lab ID: 92282944001		Collected: 01/13/16 10:40		Received: 01/14/16 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	0.82	mg/L	0.50	0.10	1	01/15/16 09:30	01/15/16 12:31		
<b>Surrogates</b>									
n-Pentacosane (S)	94	%	48-110		1	01/15/16 09:30	01/15/16 12:31	629-99-2	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	0.025J	mg/L	0.080	0.016	1		01/15/16 16:11		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-145		1		01/15/16 16:11	460-00-4	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0	5.0	1	01/14/16 23:00	01/15/16 13:09	7440-38-2	
Barium	90.6	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:09	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	01/14/16 23:00	01/15/16 13:09	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:09	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:09	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/14/16 23:00	01/15/16 13:09	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:09	7440-22-4	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	01/15/16 09:45	01/15/16 13:32	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:23	208-96-8	
Aniline	15.5	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:23	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:23	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/15/16 08:50	01/15/16 11:23	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/15/16 08:50	01/15/16 11:23	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/15/16 08:50	01/15/16 11:23	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/15/16 08:50	01/15/16 11:23	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 11:23	207-08-9	
Benzoic Acid	383	ug/L	50.0	11.1	1	01/15/16 08:50	01/15/16 11:23	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 11:23	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:23	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/15/16 08:50	01/15/16 11:23	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/15/16 08:50	01/15/16 11:23	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 11:23	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:23	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 11:23	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 11:23	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:23	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 11:23	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/15/16 08:50	01/15/16 11:23	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/15/16 08:50	01/15/16 11:23	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 12 of 40

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-DEPOT-011316 Lab ID: 92282944001 Collected: 01/13/16 10:40 Received: 01/14/16 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV HVI Semivol Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Dibenzofuran	ND	ug/L	10.0 U	1.8	1	01/15/16 08:50	01/15/16 11:23	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 11:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 11:23	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/15/16 08:50	01/15/16 11:23	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:23	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 11:23	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:23	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:23	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/15/16 08:50	01/15/16 11:23	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/15/16 08:50	01/15/16 11:23	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 11:23	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/15/16 08:50	01/15/16 11:23	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/15/16 08:50	01/15/16 11:23	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 11:23	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 11:23	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:23	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:23	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:23	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:23	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:23	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:23	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:23	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	91-57-6	
2-Methylphenol(o-Cresol)	7.2 J	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	4.4 J	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23		
Naphthalene	ND	ug/L	10.0 U	1.5	1	01/15/16 08:50	01/15/16 11:23	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/15/16 08:50	01/15/16 11:23	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/15/16 08:50	01/15/16 11:23	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/15/16 08:50	01/15/16 11:23	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/15/16 08:50	01/15/16 11:23	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:23	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 11:23	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:23	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/15/16 08:50	01/15/16 11:23	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/15/16 08:50	01/15/16 11:23	85-01-8	
Phenol	22.4	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	108-95-2	
Pyrene	ND	ug/L	10.0 U	0.53	1	01/15/16 08:50	01/15/16 11:23	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 11:23	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 11:23	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 11:23	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 13 of 40



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282944

Sample: SW-DEPOT-011316 Lab ID: 92282944001 Collected: 01/13/16 10:40 Received: 01/14/16 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

**8270 MSSV HVI Semivol Organic** Analytical Method: EPA 8270 Preparation Method: EPA 3510

### Surrogates

Nitrobenzene-d5 (S)	64	%	21-110		1	01/15/16 08:50	01/15/16 11:23	4165-60-0	
2-Fluorobiphenyl (S)	69	%	27-110		1	01/15/16 08:50	01/15/16 11:23	321-60-8	
Terphenyl-d14 (S)	52	%	31-107		1	01/15/16 08:50	01/15/16 11:23	1718-51-0	
Phenol-d6 (S)	18	%	10-110		1	01/15/16 08:50	01/15/16 11:23	13127-88-3	
2-Fluorophenol (S)	29	%	12-110		1	01/15/16 08:50	01/15/16 11:23	367-12-4	
2,4,6-Tribromophenol (S)	61	%	27-110		1	01/15/16 08:50	01/15/16 11:23	118-79-6	

### 8260 MSV Low Level

Analytical Method: EPA 8260

Acetone	25.8	ug/L	25.0	10.0	1		01/14/16 17:21	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 17:21	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:21	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 17:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 17:21	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 17:21	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 17:21	74-83-9	
2-Butanone (MEK)	4.1J	ug/L	5.0	0.96	1		01/14/16 17:21	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 17:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 17:21	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 17:21	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 17:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 17:21	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 17:21	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 17:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 17:21	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 17:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 17:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 17:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 17:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 17:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 17:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 17:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 17:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 17:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 17:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 17:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 17:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 17:21	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 17:21	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 17:21	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 14 of 40



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-DEPOT-011316 Lab ID: 92282944001 Collected: 01/13/16 10:40 Received: 01/14/16 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 17:21	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:21	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 17:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	4.7J	ug/L	5.0	0.33	1		01/14/16 17:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 17:21	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 17:21	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 17:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 17:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 17:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 17:21	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 17:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 17:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 17:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 17:21	79-00-5	
Trichloroethene	0.55J	ug/L	1.0	0.47	1		01/14/16 17:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 17:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 17:21	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 17:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 17:21	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 17:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 17:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 17:21	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		01/14/16 17:21	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		01/14/16 17:21	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/14/16 17:21	2037-26-5	

*gaw*  
01/20/16

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-INTAKE-011317 Lab ID: 92282944003 Collected: 01/13/16 11:25 Received: 01/14/16 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50 U	0.10	1	01/15/16 09:30	01/15/16 12:55		
<b>Surrogates</b>									
n-Pentacosane (S)	85	%	48-110		1	01/15/16 09:30	01/15/16 12:55	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	0.029J	mg/L	0.080	0.016	1		01/15/16 17:35		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-145		1		01/15/16 17:35	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0 U	5.0	1	01/14/16 23:00	01/15/16 13:30	7440-38-2	
Barium	22.9	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:30	7440-39-3	
Cadmium	ND	ug/L	1.0 U	0.50	1	01/14/16 23:00	01/15/16 13:30	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:30	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:30	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/14/16 23:00	01/15/16 13:30	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:30	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20 U	0.10	1	01/15/16 09:45	01/15/16 13:41	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0 U	1.7	1	01/15/16 08:50	01/15/16 12:12	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 12:12	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 12:12	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 12:12	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/15/16 08:50	01/15/16 12:12	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/15/16 08:50	01/15/16 12:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/15/16 08:50	01/15/16 12:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/15/16 08:50	01/15/16 12:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 12:12	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.1	1	01/15/16 08:50	01/15/16 12:12	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 12:12	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 12:12	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/15/16 08:50	01/15/16 12:12	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/15/16 08:50	01/15/16 12:12	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 12:12	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 12:12	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 12:12	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 12:12	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 12:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 12:12	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/15/16 08:50	01/15/16 12:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/15/16 08:50	01/15/16 12:12	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 20 of 40



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: **SW-INTAKE-01131/U** Lab ID: **92282944003** Collected: 01/13/16 11:25 Received: 01/14/16 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 12:12	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 12:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 12:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 12:12	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/15/16 08:50	01/15/16 12:12	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 12:12	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 12:12	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 12:12	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 12:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/15/16 08:50	01/15/16 12:12	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/15/16 08:50	01/15/16 12:12	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 12:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/15/16 08:50	01/15/16 12:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/15/16 08:50	01/15/16 12:12	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 12:12	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 12:12	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 12:12	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 12:12	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 12:12	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 12:12	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 12:12	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 12:12	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 12:12	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12		
Naphthalene	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 12:12	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/15/16 08:50	01/15/16 12:12	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/15/16 08:50	01/15/16 12:12	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/15/16 08:50	01/15/16 12:12	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/15/16 08:50	01/15/16 12:12	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 12:12	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 12:12	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 12:12	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/15/16 08:50	01/15/16 12:12	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/15/16 08:50	01/15/16 12:12	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/15/16 08:50	01/15/16 12:12	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 12:12	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 12:12	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 12:12	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 21 of 40





## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-INTAKE-011317 Lab ID: 92282944003 Collected: 01/13/16 11:25 Received: 01/14/16 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	63	%	21-110		1	01/15/16 08:50	01/15/16 12:12	4165-60-0	
2-Fluorobiphenyl (S)	70	%	27-110		1	01/15/16 08:50	01/15/16 12:12	321-60-8	
Terphenyl-d14 (S)	65	%	31-107		1	01/15/16 08:50	01/15/16 12:12	1718-51-0	
Phenol-d6 (S)	21	%	10-110		1	01/15/16 08:50	01/15/16 12:12	13127-88-3	
2-Fluorophenol (S)	28	%	12-110		1	01/15/16 08:50	01/15/16 12:12	367-12-4	
2,4,6-Tribromophenol (S)	47	%	27-110		1	01/15/16 08:50	01/15/16 12:12	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 17:54	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 17:54	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:54	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 17:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 17:54	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 17:54	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 17:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 17:54	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 17:54	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 17:54	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 17:54	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 17:54	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 17:54	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 17:54	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 17:54	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 17:54	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 17:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 17:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 17:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 17:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 17:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 17:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 17:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 17:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 17:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 17:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 17:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 17:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 17:54	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 17:54	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:54	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 17:54	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 22 of 40

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

**Sample:** SW-INTAKE-0113176 **Lab ID:** 92282944003 **Collected:** 01/13/16 11:25 **Received:** 01/14/16 09:30 **Matrix:** Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 17:54	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:54	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 17:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 17:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 17:54	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 17:54	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 17:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 17:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 17:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 17:54	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 17:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 17:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 17:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 17:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 17:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 17:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 17:54	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 17:54	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 17:54	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 17:54	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 17:54	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 17:54	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/14/16 17:54	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		01/14/16 17:54	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/14/16 17:54	2037-26-5	

gaw  
01/20/16

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282944

Sample: SW-UPSTREAM-011316 Lab ID: 92282944002 Collected: 01/13/16 11:00 Received: 01/14/16 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50 U	0.10	1	01/15/16 09:30	01/15/16 12:55		
<b>Surrogates</b>									
n-Pentacosane (S)	73	%	48-110		1	01/15/16 09:30	01/15/16 12:55	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	0.027 J	mg/L	0.080	0.016	1		01/15/16 17:12		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-145		1		01/15/16 17:12	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0 U	5.0	1	01/14/16 23:00	01/15/16 13:27	7440-38-2	
Barium	23.5	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:27	7440-39-3	
Cadmium	ND	ug/L	1.0 U	0.50	1	01/14/16 23:00	01/15/16 13:27	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:27	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:27	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/14/16 23:00	01/15/16 13:27	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:27	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20 U	0.10	1	01/15/16 09:45	01/15/16 13:39	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0 U	1.7	1	01/15/16 08:50	01/15/16 11:48	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:48	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:48	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:48	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/15/16 08:50	01/15/16 11:48	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/15/16 08:50	01/15/16 11:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/15/16 08:50	01/15/16 11:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/15/16 08:50	01/15/16 11:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 11:48	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.1	1	01/15/16 08:50	01/15/16 11:48	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 11:48	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:48	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/15/16 08:50	01/15/16 11:48	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/15/16 08:50	01/15/16 11:48	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 11:48	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:48	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 11:48	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 11:48	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:48	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 11:48	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/15/16 08:50	01/15/16 11:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/15/16 08:50	01/15/16 11:48	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 16 of 40

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-UPSTREAM-011316 Lab ID: 92282944002 Collected: 01/13/16 11:00 Received: 01/14/16 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b>			Analytical Method: EPA 8270 Preparation Method: EPA 3510						
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:48	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 11:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 11:48	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/15/16 08:50	01/15/16 11:48	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:48	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 11:48	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:48	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:48	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/15/16 08:50	01/15/16 11:48	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/15/16 08:50	01/15/16 11:48	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 11:48	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/15/16 08:50	01/15/16 11:48	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/15/16 08:50	01/15/16 11:48	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 11:48	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 11:48	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:48	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:48	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:48	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:48	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:48	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:48	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:48	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48		
Naphthalene	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:48	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/15/16 08:50	01/15/16 11:48	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/15/16 08:50	01/15/16 11:48	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/15/16 08:50	01/15/16 11:48	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/15/16 08:50	01/15/16 11:48	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:48	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 11:48	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:48	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/15/16 08:50	01/15/16 11:48	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/15/16 08:50	01/15/16 11:48	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/15/16 08:50	01/15/16 11:48	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 11:48	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 11:48	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 11:48	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 17 of 40



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282944

Sample: SW-UPSTREAM-011316 Lab ID: 92282944002 Collected: 01/13/16 11:00 Received: 01/14/16 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	67	%	21-110		1	01/15/16 08:50	01/15/16 11:48	4165-60-0	
2-Fluorobiphenyl (S)	75	%	27-110		1	01/15/16 08:50	01/15/16 11:48	321-60-8	
Terphenyl-d14 (S)	68	%	31-107		1	01/15/16 08:50	01/15/16 11:48	1718-51-0	
Phenol-d6 (S)	24	%	10-110		1	01/15/16 08:50	01/15/16 11:48	13127-88-3	
2-Fluorophenol (S)	27	%	12-110		1	01/15/16 08:50	01/15/16 11:48	367-12-4	
2,4,6-Tribromophenol (S)	40	%	27-110		1	01/15/16 08:50	01/15/16 11:48	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 17:38	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 17:38	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:38	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 17:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 17:38	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 17:38	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 17:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 17:38	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 17:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 17:38	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 17:38	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 17:38	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 17:38	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 17:38	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 17:38	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 17:38	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 17:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 17:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 17:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 17:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 17:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 17:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 17:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 17:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 17:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 17:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 17:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 17:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 17:38	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 17:38	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 17:38	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 18 of 40

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-UPSTREAM-011316 Lab ID: 92282944002 Collected: 01/13/16 11:00 Received: 01/14/16 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 17:38	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:38	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 17:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 17:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 17:38	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 17:38	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 17:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 17:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 17:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 17:38	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 17:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 17:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 17:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 17:38	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 17:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 17:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 17:38	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 17:38	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 17:38	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 17:38	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 17:38	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 17:38	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/14/16 17:38	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		01/14/16 17:38	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/14/16 17:38	2037-26-5	

*[Signature]*  
01/20/15

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..





## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282944

Sample: Trip Blank Lab ID: 92282944004 Collected: 01/13/16 00:00 Received: 01/14/16 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>			Analytical Method: EPA 8260						
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 16:48	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 16:48	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 16:48	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 16:48	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 16:48	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 16:48	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 16:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 16:48	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 16:48	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 16:48	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 16:48	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 16:48	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 16:48	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 16:48	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 16:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 16:48	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 16:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 16:48	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 16:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 16:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 16:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 16:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 16:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 16:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 16:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 16:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 16:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 16:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 16:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 16:48	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 16:48	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 16:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 16:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 16:48	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 16:48	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 16:48	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 16:48	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 16:48	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 16:48	99-87-6	
Methylene Chloride	1.2J	ug/L	2.0	0.97	1		01/14/16 16:48	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 16:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 16:48	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 16:48	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 16:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 16:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 16:48	79-34-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: Trip Blank		Lab ID: 92282944004		Collected: 01/13/16 00:00		Received: 01/14/16 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 16:48	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 16:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 16:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 16:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 16:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 16:48	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 16:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 16:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 16:48	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 16:48	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 16:48	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 16:48	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 16:48	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 16:48	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/14/16 16:48	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/14/16 16:48	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/14/16 16:48	2037-26-5	

*gaw*  
01/20/16


## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 1 of 5)

<b>Site Name</b>	Pilot Mountain Tire Fire	<b>Project No.</b>	TT-01-046
<b>Data Reviewer (signature and date)</b>	 January 20, 2016	<b>Laboratory/Report No.</b>	Pace Analytical/92282997
<b>Analyses</b>	Volatile Organic Compounds (VOCs) by SW8260B; Semivolatile Organic Compounds (SVOCs) by SW8270D; Gasoline Range Organics (GRO) by SW8015B; Diesel Range Organics (DRO) by SW8015B; and Metals by SW6010C/7470A		
<b>Samples</b>	SW-DEPOT-011416, SW-INTAKE-011416, SW-OUTFALL-011416, and SW-UPSTREAM-011416		
<b>Field Blanks</b>	TRIP BLANK		

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the EPA *National Functional Guidelines (NFG) for Superfund Organic Methods Data Review* (August 2014) and the EPA *NFG for Inorganic Superfund Data Review* (August 2014) data validation guidance documents, as well as the above referenced methods.

### OVERALL EVALUATION:

Rejection of data was not required for this data package. No results required qualification due to the exceedances discussed below. The data can be used with the qualifications applied by the laboratory.

#### Data completeness:

Within Criteria	Exceedance/Notes
Y	

#### Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	The laboratory inadvertently logged sample SW-INTAKE-011416 in as SW-INTAKE-011417. The sample identification was manually-corrected on the sample summary sheets.



## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 2 of 5)

### Method blanks:

Within Criteria	Exceedance/Notes
Y	

### Field blanks:

Within Criteria	Exceedance/Notes
N	TRIP BLANK: methylene chloride = 1.5 µg/L – no action (associated results non-detect)

### System monitoring compounds (surrogates and labeled compounds):

Within Criteria	Exceedance/Notes
N	No SVOC %Rs for SW-OUTFALL-011416 – no action per NFGs due to dilutions

### MS/MSD:

Within Criteria	Exceedance/Notes
Y	

### Post digestion spikes:

Within Criteria	Exceedance/Notes
NA	



## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 3 of 5)

### Serial dilutions:

Within Criteria	Exceedance/Notes
NA	

### Laboratory duplicates:

Within Criteria	Exceedance/Notes
Y	

### Field duplicates:

Within Criteria	Exceedance/Notes
NA	

### Total versus dissolved metals results evaluation:

Within Criteria	Exceedance/Notes
NA	

### LCSS/LCSDs:

Within Criteria	Exceedance/Notes
N	1647549: high %R for hexachloro-1,3-butadiene – no action (associated results non-detect)





## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 4 of 5)

### Toxicity equivalents (TEQs) and isomer specificity (dioxins/furans, cBaP, and PCB congeners only):

Within Criteria	Exceedance/Notes
NA	

### Sample dilutions:

Within Criteria	Exceedance/Notes
Y	10x: SVOCs for SW-OUTFALL-011416

### Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

### Estimated detection limit (EDL), estimated maximum possible concentration (EMPC), and target analyte identification (dioxins/furans only):

Within Criteria	Exceedance/Notes
NA	

### MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	Results between MDL and RL – flagged “J” by laboratory



## DATA VALIDATION CHECKLIST – STAGE 2A

(Page 5 of 5)

### Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

### Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-DEPOT-011416 Lab ID: 92282997002 Collected: 01/14/16 09:05 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	0.20J	mg/L	0.50	0.10	1	01/15/16 09:30	01/15/16 13:19		
<b>Surrogates</b>									
n-Pentacosane (S)	98	%	48-110		1	01/15/16 09:30	01/15/16 13:19	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	ND	mg/L	0.080	0.016	1		01/15/16 17:59		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-145		1		01/15/16 17:59	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0	5.0	1	01/15/16 09:05	01/15/16 14:19	7440-38-2	
Barium	86.9	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:19	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	01/15/16 09:05	01/15/16 14:19	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:19	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 15:27	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/15/16 09:05	01/15/16 14:19	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:19	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	01/15/16 09:45	01/15/16 13:46	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:02	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:02	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:02	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/15/16 08:50	01/15/16 13:02	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/15/16 08:50	01/15/16 13:02	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/15/16 08:50	01/15/16 13:02	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/15/16 08:50	01/15/16 13:02	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 13:02	207-08-9	
Benzoic Acid	33.9J	ug/L	50.0	11.1	1	01/15/16 08:50	01/15/16 13:02	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 13:02	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:02	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/15/16 08:50	01/15/16 13:02	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/15/16 08:50	01/15/16 13:02	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 13:02	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:02	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 13:02	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:02	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:02	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 13:02	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/15/16 08:50	01/15/16 13:02	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/15/16 08:50	01/15/16 13:02	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 17 of 46

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282997

Sample: SW-DEPOT-011416 Lab ID: 92282997002 Collected: 01/14/16 09:05 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b>			Analytical Method: EPA 8270 Preparation Method: EPA 3510						
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:02	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:02	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/15/16 08:50	01/15/16 13:02	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:02	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:02	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:02	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:02	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/15/16 08:50	01/15/16 13:02	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/15/16 08:50	01/15/16 13:02	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:02	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/15/16 08:50	01/15/16 13:02	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/15/16 08:50	01/15/16 13:02	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 13:02	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 13:02	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:02	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:02	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:02	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:02	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:02	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:02	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:02	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02		
Naphthalene	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:02	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/15/16 08:50	01/15/16 13:02	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/15/16 08:50	01/15/16 13:02	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/15/16 08:50	01/15/16 13:02	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/15/16 08:50	01/15/16 13:02	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:02	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 13:02	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:02	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/15/16 08:50	01/15/16 13:02	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/15/16 08:50	01/15/16 13:02	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/15/16 08:50	01/15/16 13:02	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 13:02	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:02	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 13:02	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 18 of 46



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282997


Sample: SW-DEPOT-011416 Lab ID: 92282997002 Collected: 01/14/16 09:05 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	61	%	21-110		1	01/15/16 08:50	01/15/16 13:02	4165-60-0	
2-Fluorobiphenyl (S)	65	%	27-110		1	01/15/16 08:50	01/15/16 13:02	321-60-8	
Terphenyl-d14 (S)	58	%	31-107		1	01/15/16 08:50	01/15/16 13:02	1718-51-0	
Phenol-d6 (S)	19	%	10-110		1	01/15/16 08:50	01/15/16 13:02	13127-88-3	
2-Fluorophenol (S)	29	%	12-110		1	01/15/16 08:50	01/15/16 13:02	367-12-4	
2,4,6-Tribromophenol (S)	59	%	27-110		1	01/15/16 08:50	01/15/16 13:02	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 18:28	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 18:28	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:28	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 18:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 18:28	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 18:28	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 18:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 18:28	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 18:28	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 18:28	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 18:28	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 18:28	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 18:28	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 18:28	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 18:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 18:28	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 18:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 18:28	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 18:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 18:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 18:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 18:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 18:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 18:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 18:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 18:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 18:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 18:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 18:28	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 18:28	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 18:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 18:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 18:28	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 18:28	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 18:28	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.

Date: 01/19/2016 05:30 PM

  
01/20/16

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282997

Sample: SW-DEPOT-011416 Lab ID: 92282997002 Collected: 01/14/16 09:05 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 18:28	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 18:28	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 18:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	0.45J	ug/L	5.0	0.33	1		01/14/16 18:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 18:28	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 18:28	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 18:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 18:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 18:28	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 18:28	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 18:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 18:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 18:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 18:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 18:28	79-00-5	
Trichloroethene	0.52J	ug/L	1.0	0.47	1		01/14/16 18:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 18:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 18:28	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 18:28	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 18:28	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 18:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 18:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 18:28	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		01/14/16 18:28	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/14/16 18:28	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/14/16 18:28	2037-26-5	

*gaw*  
01/20/16

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..





## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282997

Sample: SW-INTAKE-01141/L Lab ID: 92282997004 Collected: 01/14/16 09:40 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50 U	0.10	1	01/15/16 09:30	01/15/16 13:43		
<b>Surrogates</b>									
n-Pentacosane (S)	86	%	48-110		1	01/15/16 09:30	01/15/16 13:43	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	ND	mg/L	0.080 U	0.016	1		01/15/16 18:45		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-145		1		01/15/16 18:45	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0 U	5.0	1	01/15/16 09:05	01/15/16 14:25	7440-38-2	
Barium	26.7	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:25	7440-39-3	
Cadmium	ND	ug/L	1.0 U	0.50	1	01/15/16 09:05	01/15/16 14:25	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:25	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 15:33	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/15/16 09:05	01/15/16 14:25	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:25	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20 U	0.10	1	01/15/16 09:45	01/15/16 13:55	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0 U	1.7	1	01/15/16 08:50	01/15/16 13:52	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:52	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:52	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:52	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/15/16 08:50	01/15/16 13:52	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/15/16 08:50	01/15/16 13:52	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/15/16 08:50	01/15/16 13:52	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/15/16 08:50	01/15/16 13:52	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 13:52	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.1	1	01/15/16 08:50	01/15/16 13:52	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 13:52	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:52	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/15/16 08:50	01/15/16 13:52	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/15/16 08:50	01/15/16 13:52	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 13:52	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:52	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 13:52	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:52	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:52	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 13:52	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/15/16 08:50	01/15/16 13:52	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/15/16 08:50	01/15/16 13:52	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 25 of 46



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-INTAKE-011417 Lab ID: 92282997004 Collected: 01/14/16 09:40 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV HVI Semivol Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:52	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:52	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/15/16 08:50	01/15/16 13:52	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:52	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:52	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:52	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:52	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/15/16 08:50	01/15/16 13:52	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/15/16 08:50	01/15/16 13:52	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:52	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/15/16 08:50	01/15/16 13:52	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/15/16 08:50	01/15/16 13:52	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 13:52	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 13:52	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:52	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:52	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:52	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:52	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:52	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:52	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:52	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52		
Naphthalene	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:52	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/15/16 08:50	01/15/16 13:52	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/15/16 08:50	01/15/16 13:52	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/15/16 08:50	01/15/16 13:52	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/15/16 08:50	01/15/16 13:52	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:52	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 13:52	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:52	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/15/16 08:50	01/15/16 13:52	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/15/16 08:50	01/15/16 13:52	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/15/16 08:50	01/15/16 13:52	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 13:52	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:52	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 13:52	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 26 of 46

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

**Sample:** SW-INTAKE-01141/10 **Lab ID:** 92282997004 **Collected:** 01/14/16 09:40 **Received:** 01/14/16 12:00 **Matrix:** Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

### 8270 MSSV HVI Semivol Organic

Analytical Method: EPA 8270 Preparation Method: EPA 3510

#### Surrogates

Nitrobenzene-d5 (S)	62	%	21-110		1	01/15/16 08:50	01/15/16 13:52	4165-60-0	
2-Fluorobiphenyl (S)	72	%	27-110		1	01/15/16 08:50	01/15/16 13:52	321-60-8	
Terphenyl-d14 (S)	54	%	31-107		1	01/15/16 08:50	01/15/16 13:52	1718-51-0	
Phenol-d6 (S)	21	%	10-110		1	01/15/16 08:50	01/15/16 13:52	13127-88-3	
2-Fluorophenol (S)	29	%	12-110		1	01/15/16 08:50	01/15/16 13:52	367-12-4	
2,4,6-Tribromophenol (S)	54	%	27-110		1	01/15/16 08:50	01/15/16 13:52	118-79-6	

### 8260 MSV Low Level

Analytical Method: EPA 8260

Acetone	ND	ug/L	25.0	10.0	1		01/14/16 19:01	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 19:01	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 19:01	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 19:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 19:01	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 19:01	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 19:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 19:01	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 19:01	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 19:01	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 19:01	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 19:01	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 19:01	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 19:01	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 19:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 19:01	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 19:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 19:01	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 19:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 19:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 19:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 19:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 19:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 19:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 19:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 19:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 19:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 19:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 19:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 19:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 19:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 19:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 19:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 19:01	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 19:01	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 19:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 19:01	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 27 of 46



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-INTAKE-01141/LG Lab ID: 92282997004 Collected: 01/14/16 09:40 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
2-Hexanone	ND	ug/L	5.0 U	0.46	1		01/14/16 19:01	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 19:01	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 19:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 19:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 19:01	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 19:01	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 19:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 19:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 19:01	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 19:01	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 19:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 19:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 19:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 19:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 19:01	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 19:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 19:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 19:01	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 19:01	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 19:01	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 19:01	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 19:01	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 19:01	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/14/16 19:01	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		01/14/16 19:01	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		01/14/16 19:01	2037-26-5	

*gaw*  
01/20/16

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

Page 28 of 46

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-OUTFALL-011416 Lab ID: 92282997001 Collected: 01/14/16 08:45 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	3.1	mg/L	0.50	0.10	1	01/15/16 09:30	01/15/16 13:19		
<b>Surrogates</b>									
n-Pentacosane (S)	57	%	48-110		1	01/15/16 09:30	01/15/16 13:19	629-99-2	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	0.059J	mg/L	0.080	0.016	1		01/19/16 11:50		B
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88	%	70-145		1		01/19/16 11:50	460-00-4	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	10.7	ug/L	10.0	5.0	1	01/15/16 09:05	01/15/16 14:10	7440-38-2	
Barium	236	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:10	7440-39-3	
Cadmium	0.93J	ug/L	1.0	0.50	1	01/15/16 09:05	01/15/16 14:10	7440-43-9	
Chromium	26.9	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:10	7440-47-3	
Lead	34.7	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 15:18	7439-92-1	
Selenium	5.3J	ug/L	10.0	5.0	1	01/15/16 09:05	01/15/16 14:10	7782-49-2	
Silver	ND	ug/L	5.0U	2.5	1	01/15/16 09:05	01/15/16 14:10	7440-22-4	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20U	0.10	1	01/15/16 09:45	01/15/16 13:43	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	100U	16.8	10	01/15/16 08:50	01/15/16 12:37	83-32-9	
Acenaphthylene	ND	ug/L	100U	17.9	10	01/15/16 08:50	01/15/16 12:37	208-96-8	
Aniline	30.8J	ug/L	100	12.9	10	01/15/16 08:50	01/15/16 12:37	62-53-3	
Anthracene	ND	ug/L	100U	10.8	10	01/15/16 08:50	01/15/16 12:37	120-12-7	
Benzo(a)anthracene	ND	ug/L	100	7.2	10	01/15/16 08:50	01/15/16 12:37	56-55-3	
Benzo(a)pyrene	ND	ug/L	100	7.1	10	01/15/16 08:50	01/15/16 12:37	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	100	8.1	10	01/15/16 08:50	01/15/16 12:37	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	100	9.7	10	01/15/16 08:50	01/15/16 12:37	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	100	8.7	10	01/15/16 08:50	01/15/16 12:37	207-08-9	
Benzoic Acid	365J	ug/L	500	111	10	01/15/16 08:50	01/15/16 12:37	65-85-0	
Benzyl alcohol	48.2J	ug/L	200	34.0	10	01/15/16 08:50	01/15/16 12:37	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	100U	13.2	10	01/15/16 08:50	01/15/16 12:37	101-55-3	
Butylbenzylphthalate	ND	ug/L	100	7.5	10	01/15/16 08:50	01/15/16 12:37	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	200	41.7	10	01/15/16 08:50	01/15/16 12:37	59-50-7	
4-Chloroaniline	ND	ug/L	200	33.9	10	01/15/16 08:50	01/15/16 12:37	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	100	16.8	10	01/15/16 08:50	01/15/16 12:37	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	100	14.7	10	01/15/16 08:50	01/15/16 12:37	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	100	16.2	10	01/15/16 08:50	01/15/16 12:37	108-60-1	
2-Chloronaphthalene	ND	ug/L	100	22.1	10	01/15/16 08:50	01/15/16 12:37	91-58-7	
2-Chlorophenol	ND	ug/L	100	14.6	10	01/15/16 08:50	01/15/16 12:37	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	100	20.9	10	01/15/16 08:50	01/15/16 12:37	7005-72-3	
Chrysene	ND	ug/L	100	6.5	10	01/15/16 08:50	01/15/16 12:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	100	7.0	10	01/15/16 08:50	01/15/16 12:37	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 13 of 46



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-OUTFALL-011416 Lab ID: 92282997001 Collected: 01/14/16 08:45 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV HVI Semivol Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Dibenzofuran	ND	ug/L	100	17.7	10	01/15/16 08:50	01/15/16 12:37	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	100	11.8	10	01/15/16 08:50	01/15/16 12:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	100	10.9	10	01/15/16 08:50	01/15/16 12:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	100	12.3	10	01/15/16 08:50	01/15/16 12:37	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	200	14.2	10	01/15/16 08:50	01/15/16 12:37	91-94-1	
2,4-Dichlorophenol	ND	ug/L	100	16.6	10	01/15/16 08:50	01/15/16 12:37	120-83-2	
Diethylphthalate	ND	ug/L	100	13.3	10	01/15/16 08:50	01/15/16 12:37	84-66-2	
2,4-Dimethylphenol	ND	ug/L	100	21.9	10	01/15/16 08:50	01/15/16 12:37	105-67-9	
Dimethylphthalate	ND	ug/L	100	14.8	10	01/15/16 08:50	01/15/16 12:37	131-11-3	
Di-n-butylphthalate	ND	ug/L	100	10.6	10	01/15/16 08:50	01/15/16 12:37	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	200	16.6	10	01/15/16 08:50	01/15/16 12:37	534-52-1	
2,4-Dinitrophenol	ND	ug/L	500	65.3	10	01/15/16 08:50	01/15/16 12:37	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	100	11.9	10	01/15/16 08:50	01/15/16 12:37	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	100	16.8	10	01/15/16 08:50	01/15/16 12:37	606-20-2	
Di-n-octylphthalate	ND	ug/L	100	8.6	10	01/15/16 08:50	01/15/16 12:37	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	60.0	8.5	10	01/15/16 08:50	01/15/16 12:37	117-81-7	
Fluoranthene	ND	ug/L	100	8.7	10	01/15/16 08:50	01/15/16 12:37	206-44-0	
Fluorene	ND	ug/L	100	15.6	10	01/15/16 08:50	01/15/16 12:37	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	100	18.4	10	01/15/16 08:50	01/15/16 12:37	87-68-3	
Hexachlorobenzene	ND	ug/L	100	11.4	10	01/15/16 08:50	01/15/16 12:37	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	100	17.5	10	01/15/16 08:50	01/15/16 12:37	77-47-4	
Hexachloroethane	ND	ug/L	100	14.6	10	01/15/16 08:50	01/15/16 12:37	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	100	18.0	10	01/15/16 08:50	01/15/16 12:37	193-39-5	
Isophorone	ND	ug/L	100	17.7	10	01/15/16 08:50	01/15/16 12:37	78-59-1	
1-Methylnaphthalene	ND	ug/L	100	18.0	10	01/15/16 08:50	01/15/16 12:37	90-12-0	
2-Methylnaphthalene	ND	ug/L	100	16.6	10	01/15/16 08:50	01/15/16 12:37	91-57-6	
2-Methylphenol(o-Cresol)	29.7J	ug/L	100	17.4	10	01/15/16 08:50	01/15/16 12:37	95-48-7	
3&4-Methylphenol(m&p Cresol)	25.3J	ug/L	100	17.2	10	01/15/16 08:50	01/15/16 12:37		
Naphthalene	ND	ug/L	100	15.3	10	01/15/16 08:50	01/15/16 12:37	91-20-3	
2-Nitroaniline	ND	ug/L	500	28.2	10	01/15/16 08:50	01/15/16 12:37	88-74-4	
3-Nitroaniline	ND	ug/L	500	24.2	10	01/15/16 08:50	01/15/16 12:37	99-09-2	
4-Nitroaniline	ND	ug/L	200	25.4	10	01/15/16 08:50	01/15/16 12:37	100-01-6	
Nitrobenzene	ND	ug/L	100	16.6	10	01/15/16 08:50	01/15/16 12:37	98-95-3	
2-Nitrophenol	ND	ug/L	100	16.5	10	01/15/16 08:50	01/15/16 12:37	88-75-5	
4-Nitrophenol	ND	ug/L	500	57.9	10	01/15/16 08:50	01/15/16 12:37	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	100	12.6	10	01/15/16 08:50	01/15/16 12:37	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	100	20.7	10	01/15/16 08:50	01/15/16 12:37	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	100	13.2	10	01/15/16 08:50	01/15/16 12:37	86-30-6	
Pentachlorophenol	ND	ug/L	250	23.2	10	01/15/16 08:50	01/15/16 12:37	87-86-5	
Phenanthrene	ND	ug/L	100	10.3	10	01/15/16 08:50	01/15/16 12:37	85-01-8	
Phenol	40.9J	ug/L	100	16.8	10	01/15/16 08:50	01/15/16 12:37	108-95-2	
Pyrene	ND	ug/L	100	5.3	10	01/15/16 08:50	01/15/16 12:37	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	100	19.0	10	01/15/16 08:50	01/15/16 12:37	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	100	22.5	10	01/15/16 08:50	01/15/16 12:37	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	18.9	10	01/15/16 08:50	01/15/16 12:37	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 14 of 46

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-OUTFALL-011416 Lab ID: 92282997001 Collected: 01/14/16 08:45 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

### 8270 MSSV HVI Semivol Organic

Analytical Method: EPA 8270 Preparation Method: EPA 3510

#### Surrogates

Nitrobenzene-d5 (S)	0	%	21-110		10	01/15/16 08:50	01/15/16 12:37	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	27-110		10	01/15/16 08:50	01/15/16 12:37	321-60-8	S4
Terphenyl-d14 (S)	0	%	31-107		10	01/15/16 08:50	01/15/16 12:37	1718-51-0	S4
Phenol-d6 (S)	0	%	10-110		10	01/15/16 08:50	01/15/16 12:37	13127-88-3	S4
2-Fluorophenol (S)	0	%	12-110		10	01/15/16 08:50	01/15/16 12:37	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	27-110		10	01/15/16 08:50	01/15/16 12:37	118-79-6	S4

### 8260 MSV Low Level

Analytical Method: EPA 8260

Acetone	70.6	ug/L	25.0	10.0	1		01/14/16 18:11	67-64-1	
Benzene	3.2	ug/L	1.0	0.25	1		01/14/16 18:11	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:11	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 18:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 18:11	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 18:11	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 18:11	74-83-9	
2-Butanone (MEK)	9.1	ug/L	5.0	0.96	1		01/14/16 18:11	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 18:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 18:11	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 18:11	75-00-3	
Chloroform	0.92J	ug/L	1.0	0.14	1		01/14/16 18:11	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 18:11	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 18:11	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 18:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 18:11	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 18:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 18:11	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 18:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 18:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 18:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 18:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 18:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 18:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 18:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 18:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 18:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 18:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 18:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 18:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 18:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 18:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 18:11	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 18:11	108-20-3	
Ethylbenzene	0.62J	ug/L	1.0	0.30	1		01/14/16 18:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 18:11	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 15 of 46



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-OUTFALL-011416 Lab ID: 92282997001 Collected: 01/14/16 08:45 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 18:11	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 18:11	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 18:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	11.2	ug/L	5.0	0.33	1		01/14/16 18:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 18:11	1634-04-4	
Naphthalene	3.7	ug/L	1.0	0.24	1		01/14/16 18:11	91-20-3	
Styrene	1.5	ug/L	1.0	0.26	1		01/14/16 18:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 18:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 18:11	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 18:11	127-18-4	
Toluene	2.4	ug/L	1.0	0.26	1		01/14/16 18:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 18:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 18:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 18:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 18:11	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 18:11	79-01-6	
Trichlorofluoromethane	1.0	ug/L	1.0	0.20	1		01/14/16 18:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 18:11	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 18:11	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 18:11	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 18:11	1330-20-7	
m&p-Xylene	1.4J	ug/L	2.0	0.66	1		01/14/16 18:11	179601-23-1	
o-Xylene	0.37J	ug/L	1.0	0.23	1		01/14/16 18:11	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/14/16 18:11	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		01/14/16 18:11	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/14/16 18:11	2037-26-5	

*gaw*  
01/20/16

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..





## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-UPSTREAM-011416 Lab ID: 92282997003 Collected: 01/14/16 09:20 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50 U	0.10	1	01/15/16 09:30	01/15/16 13:43		
<b>Surrogates</b>									
n-Pentacosane (S)	81	%	48-110		1	01/15/16 09:30	01/15/16 13:43	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	ND	mg/L	0.080 U	0.016	1		01/15/16 18:22		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-145		1		01/15/16 18:22	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0 U	5.0	1	01/15/16 09:05	01/15/16 14:22	7440-38-2	
Barium	25.6	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:22	7440-39-3	
Cadmium	ND	ug/L	1.0 U	0.50	1	01/15/16 09:05	01/15/16 14:22	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:22	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 15:30	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/15/16 09:05	01/15/16 14:22	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:22	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20 U	0.10	1	01/15/16 09:45	01/15/16 13:48	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0 U	1.7	1	01/15/16 08:50	01/15/16 13:27	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:27	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:27	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:27	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/15/16 08:50	01/15/16 13:27	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/15/16 08:50	01/15/16 13:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/15/16 08:50	01/15/16 13:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/15/16 08:50	01/15/16 13:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 13:27	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.1	1	01/15/16 08:50	01/15/16 13:27	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 13:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:27	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/15/16 08:50	01/15/16 13:27	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/15/16 08:50	01/15/16 13:27	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 13:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:27	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 13:27	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:27	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 13:27	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/15/16 08:50	01/15/16 13:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/15/16 08:50	01/15/16 13:27	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 21 of 46

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997


Sample: SW-UPSTREAM-011416 Lab ID: 92282997003 Collected: 01/14/16 09:20 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:27	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:27	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/15/16 08:50	01/15/16 13:27	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:27	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:27	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:27	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/15/16 08:50	01/15/16 13:27	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/15/16 08:50	01/15/16 13:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/15/16 08:50	01/15/16 13:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/15/16 08:50	01/15/16 13:27	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 13:27	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 13:27	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:27	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:27	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:27	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:27	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:27	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:27	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27		
Naphthalene	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:27	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/15/16 08:50	01/15/16 13:27	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/15/16 08:50	01/15/16 13:27	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/15/16 08:50	01/15/16 13:27	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/15/16 08:50	01/15/16 13:27	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:27	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 13:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:27	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/15/16 08:50	01/15/16 13:27	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/15/16 08:50	01/15/16 13:27	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/15/16 08:50	01/15/16 13:27	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 13:27	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 13:27	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

  
01/20/16

Page 22 of 46



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282997

Sample: SW-UPSTREAM-011416 Lab ID: 92282997003 Collected: 01/14/16 09:20 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	69	%	21-110		1	01/15/16 08:50	01/15/16 13:27	4165-60-0	
2-Fluorobiphenyl (S)	76	%	27-110		1	01/15/16 08:50	01/15/16 13:27	321-60-8	
Terphenyl-d14 (S)	75	%	31-107		1	01/15/16 08:50	01/15/16 13:27	1718-51-0	
Phenol-d6 (S)	28	%	10-110		1	01/15/16 08:50	01/15/16 13:27	13127-88-3	
2-Fluorophenol (S)	36	%	12-110		1	01/15/16 08:50	01/15/16 13:27	367-12-4	
2,4,6-Tribromophenol (S)	61	%	27-110		1	01/15/16 08:50	01/15/16 13:27	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 18:44	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 18:44	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:44	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 18:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 18:44	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 18:44	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 18:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 18:44	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 18:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 18:44	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 18:44	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 18:44	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 18:44	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 18:44	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 18:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 18:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 18:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 18:44	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 18:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 18:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 18:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 18:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 18:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 18:44	107-06-2	
1,1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 18:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 18:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 18:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 18:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 18:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 18:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 18:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 18:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 18:44	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 18:44	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 18:44	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

*gaw*  
01/20/16

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282997

Sample: SW-UPSTREAM-011416 Lab ID: 92282997003 Collected: 01/14/16 09:20 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 18:44	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 18:44	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 18:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 18:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 18:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 18:44	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 18:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 18:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 18:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 18:44	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 18:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 18:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 18:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 18:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 18:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 18:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 18:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 18:44	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 18:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 18:44	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 18:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 18:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 18:44	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		01/14/16 18:44	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/14/16 18:44	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/14/16 18:44	2037-26-5	

*gaw*  
01/20/16

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: Trip Blank Lab ID: 92282997005 Collected: 01/14/16 00:00 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>			Analytical Method: EPA 8260						
Acetone	ND	ug/L	25.0 U	10.0	1		01/14/16 17:04	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 17:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 17:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 17:04	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 17:04	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 17:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 17:04	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 17:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 17:04	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 17:04	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 17:04	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 17:04	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 17:04	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 17:04	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 17:04	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 17:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 17:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 17:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 17:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 17:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 17:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 17:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 17:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 17:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 17:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 17:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 17:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 17:04	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 17:04	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 17:04	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 17:04	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:04	99-87-6	
Methylene Chloride	1.5J	ug/L	2.0 U	0.97	1		01/14/16 17:04	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0 U	0.33	1		01/14/16 17:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 17:04	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 17:04	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 17:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 17:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 17:04	79-34-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

Date: 01/19/2016 05:30 PM

*gaw*  
01/20/16

Page 29 of 46

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282997

Sample: Trip Blank Lab ID: 92282997005 Collected: 01/14/16 00:00 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 17:04	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 17:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 17:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 17:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 17:04	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 17:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 17:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 17:04	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 17:04	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 17:04	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 17:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 17:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 17:04	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/14/16 17:04	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		01/14/16 17:04	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/14/16 17:04	2037-26-5	

*gaw*  
01/20/16

## REPORT OF LABORATORY ANALYSIS

**ATTACHMENT 1**  
**LABORATORY DATA PACKAGE: BULK MATERIAL SAMPLES**  
(Two Sheets)





# EMSL Analytical, Inc.

706 Gralin Street Kernersville, NC 27284

Tel/Fax: (336) 992-1025 / (336) 992-4175

<http://www.EMSL.com> / [greensborolab@emsl.com](mailto:greensborolab@emsl.com)

EMSL Order: 021600259

Customer ID: NCDE50

Customer PO:

Project ID:

**Attention:** B. Allen Mosby, Jr.  
NC DHHS  
1912 Mail Service Center  
Raleigh, NC 27699

**Phone:** (919) 707-5953

**Fax:** (919) 870-4808

**Received Date:** 1/13/2016 3:20 PM

**Analysis Date:** 1/13/2016

**Collected Date:**

**Project:** Salem Logistics

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
BAM-302-01	Debris in Front Yard	Black Fibrous Homogeneous	60% Min. Wool	40% Non-fibrous (Other)	None Detected
021600259-0001					
BAM-302-02	Debris in Front Yard	Black Fibrous Homogeneous	60% Min. Wool	40% Non-fibrous (Other)	None Detected
021600259-0002					
BAM-306-03	Debris in Front Yard	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
021600259-0003					
BAM-306-04	Debris in Front Yard	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
021600259-0004					

Analyst(s)

Nicole Shutts (4)

Stephen Bennett, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Kernersville, NC NVLAP Lab Code 102104-0, CA ELAP 2689, Virginia 3333-000228, West Virginia LT000321

Initial Report From: 01/13/2016 16:48:29



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

# Asbestos Chain of Custody

## EMSL Order Number (Lab Use Only):

0259

EMSL ANALYTICAL, INC.  
706 GRALIN ST  
KERNERSVILLE, NC 27284PHONE: (336) 992-1025  
FAX: (336) 992-4175

Company Name: <u>NC HCU</u>		EMSL Customer ID: <u>NCDE50</u>	
Street: <u>5505 Six Forks Rd</u>		City: <u>Raleigh</u>	State/Province: <u>NC</u>
Zip/Postal Code: <u>27699</u>	Country:	Telephone #: <u>919 707-5981</u>	Fax #: <u>919 870-4808</u>
Report To (Name): <u>B. Allen Mosby Jr</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: <u>allen.mosby@dohhs.nc.gov</u>		Purchase Order:	
Project Name/Number: <u>Salem Logistics</u>		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken:		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different - If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party			
Turnaround Time (TAT) Options* - Please Check			
<input checked="" type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week <small>*For TEM Air 3 hr through 6 hr, please call ahead to schedule *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide</small>			
<b>PCM - Air</b> <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)		<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water:</b> EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
<b>TEM - Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) <b>Soil/Rock/Vermiculite*</b> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique <small>*Can not accept New York State Loose Fill Vermiculite Samples</small> <b>Other:</b> <input type="checkbox"/>			
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: <u>B. Allen Mosby Jr</u>		Samplers Signature: <u>[Signature]</u>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
BAM-302-01	Debris in front yard		01/13/16
BAM-302-02	"		"
BAM-306-03	"		"
BAM-306-04	"		"
Client Sample # (s): <u>BAM-302-01 - BAM-306-04</u>		Total # of Samples: <u>4</u>	
Relinquished (Client): <u>[Signature]</u>		Date: <u>01-13-16</u>	Time: <u>3:20pm</u>
Received (Lab): <u>NS</u>		Date: <u>1/13/16</u>	Time: <u>3:20</u>
Comments/Special Instructions: <u>Point Count if Less than 1050</u>			

**ATTACHMENT 2**  
**LABORATORY DATA PACKAGE: SURFACE WATER SAMPLES**  
(143 Sheets)



January 19, 2016

Jessica Vickers  
Tetra Tech  
950 South 4th Street  
Baldwyn, MS 38824

RE: Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

Dear Jessica Vickers:

Enclosed are the analytical results for sample(s) received by the laboratory on January 13, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,



Taylor Ezell  
taylor.ezell@pacelabs.com  
Project Manager

Enclosures

cc: John Snyder, Tetra Tech



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## CERTIFICATIONS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

---

### Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
West Virginia Certification #: 357  
Virginia/VELAP Certification #: 460221

---

### Asheville Certification IDs

2225 Riverside Drive, Asheville, NC 28804  
Florida/NELAP Certification #: E87648  
Massachusetts Certification #: M-NC030  
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40  
South Carolina Certification #: 99030001  
West Virginia Certification #: 356  
Virginia/VELAP Certification #: 460222

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## SAMPLE SUMMARY

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92282728001	SW-OUTFALL-011216	Water	01/12/16 10:00	01/13/16 09:15
92282728002	SW-DEPOT-011216	Water	01/12/16 10:25	01/13/16 09:15
92282728003	SW-DEPOT-011216-DUP	Water	01/12/16 10:40	01/13/16 09:15
92282728004	SW-UPSTREAM-011216	Water	01/12/16 10:55	01/13/16 09:15
92282728005	SW-INTAKE-011216	Water	01/12/16 11:15	01/13/16 09:15
92282728006	TRIP BLANK	Water	01/12/16 00:00	01/13/16 09:15

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## SAMPLE ANALYTE COUNT

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92282728001	SW-OUTFALL-011216	EPA 8015 Modified	BJL	2	PASI-C
		EPA 5030/8015 Mod.	ZDO	2	PASI-C
		EPA 6010	CDF	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C
92282728002	SW-DEPOT-011216	EPA 8015 Modified	BJL	2	PASI-C
		EPA 5030/8015 Mod.	ZDO	2	PASI-C
		EPA 6010	CDF	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C
92282728003	SW-DEPOT-011216-DUP	EPA 8015 Modified	BJL	2	PASI-C
		EPA 5030/8015 Mod.	ZDO	2	PASI-C
		EPA 6010	CDF	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C
92282728004	SW-UPSTREAM-011216	EPA 8015 Modified	BJL	2	PASI-C
		EPA 5030/8015 Mod.	ZDO	2	PASI-C
		EPA 6010	CDF	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C
92282728005	SW-INTAKE-011216	EPA 8015 Modified	BJL	2	PASI-C
		EPA 5030/8015 Mod.	ZDO	2	PASI-C
		EPA 6010	CDF	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C
92282728006	TRIP BLANK	EPA 8260	GAW	63	PASI-C

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## SUMMARY OF DETECTION

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92282728001</b>	<b>SW-OUTFALL-011216</b>					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	49.9	mg/L	0.50	01/13/16 18:48	
EPA 5030/8015 Mod.	Gas Range Organics (C6-C10)	2.9	mg/L	0.80	01/15/16 19:08	
EPA 6010	Barium	170	ug/L	5.0	01/14/16 10:27	
EPA 6010	Cadmium	0.93J	ug/L	1.0	01/14/16 10:27	
EPA 6010	Chromium	16.7	ug/L	5.0	01/14/16 10:27	
EPA 6010	Lead	55.5	ug/L	5.0	01/14/16 10:27	
EPA 6010	Selenium	8.0J	ug/L	10.0	01/14/16 10:27	
EPA 8270	Aniline	2680	ug/L	1600	01/14/16 11:57	
EPA 8270	Benzoic Acid	40900	ug/L	8000	01/14/16 11:57	
EPA 8270	2,4-Dimethylphenol	662	ug/L	100	01/13/16 17:19	
EPA 8270	2-Methylphenol(o-Cresol)	1240	ug/L	100	01/13/16 17:19	
EPA 8270	3&4-Methylphenol(m&p Cresol)	1470	ug/L	100	01/13/16 17:19	
EPA 8270	Phenol	1660	ug/L	100	01/13/16 17:19	
EPA 8260	Acetone	2470	ug/L	250	01/14/16 16:06	
EPA 8260	Benzene	252	ug/L	10.0	01/14/16 16:06	
EPA 8260	2-Butanone (MEK)	423	ug/L	50.0	01/14/16 16:06	
EPA 8260	Chloroethane	1.2	ug/L	1.0	01/14/16 15:15	
EPA 8260	Chloromethane	5.1	ug/L	1.0	01/14/16 15:15	
EPA 8260	Ethylbenzene	4.7	ug/L	1.0	01/14/16 15:15	
EPA 8260	2-Hexanone	16.3	ug/L	5.0	01/14/16 15:15	
EPA 8260	p-Isopropyltoluene	1.8	ug/L	1.0	01/14/16 15:15	
EPA 8260	4-Methyl-2-pentanone (MIBK)	1170	ug/L	50.0	01/14/16 16:06	
EPA 8260	Naphthalene	7.6	ug/L	1.0	01/14/16 15:15	
EPA 8260	Styrene	17.3	ug/L	1.0	01/14/16 15:15	
EPA 8260	Toluene	61.9	ug/L	1.0	01/14/16 15:15	
EPA 8260	Trichlorofluoromethane	0.34J	ug/L	1.0	01/14/16 15:15	
EPA 8260	Xylene (Total)	18.7	ug/L	2.0	01/14/16 15:15	
EPA 8260	m&p-Xylene	15.7	ug/L	2.0	01/14/16 15:15	
EPA 8260	o-Xylene	3.0	ug/L	1.0	01/14/16 15:15	
<b>92282728002</b>	<b>SW-DEPOT-011216</b>					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	0.11J	mg/L	0.50	01/13/16 18:48	B
EPA 5030/8015 Mod.	Gas Range Organics (C6-C10)	0.020J	mg/L	0.080	01/15/16 14:38	
EPA 6010	Barium	85.2	ug/L	5.0	01/14/16 10:36	
EPA 8260	Chloromethane	4.0	ug/L	1.0	01/14/16 14:58	
<b>92282728003</b>	<b>SW-DEPOT-011216-DUP</b>					
EPA 5030/8015 Mod.	Gas Range Organics (C6-C10)	0.041J	mg/L	0.080	01/15/16 15:01	
EPA 6010	Barium	85.3	ug/L	5.0	01/14/16 10:39	
EPA 8270	Aniline	2.8J	ug/L	10.0	01/13/16 18:36	
EPA 8270	Benzoic Acid	34.3J	ug/L	50.0	01/13/16 18:36	
EPA 8260	Chloromethane	13.3	ug/L	1.0	01/14/16 14:41	
<b>92282728004</b>	<b>SW-UPSTREAM-011216</b>					
EPA 5030/8015 Mod.	Gas Range Organics (C6-C10)	0.027J	mg/L	0.080	01/15/16 15:24	
EPA 6010	Barium	27.3	ug/L	5.0	01/14/16 10:42	
EPA 8260	Chloromethane	10.4	ug/L	1.0	01/14/16 14:24	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## SUMMARY OF DETECTION

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92282728005</b>	<b>SW-INTAKE-011216</b>					
EPA 5030/8015 Mod.	Gas Range Organics (C6-C10)	0.021J	mg/L	0.080	01/15/16 15:47	
EPA 6010	Barium	27.7	ug/L	5.0	01/14/16 10:45	
EPA 6010	Chromium	8.5	ug/L	5.0	01/14/16 10:45	
<b>92282728006</b>	<b>TRIP BLANK</b>					
EPA 8260	Toluene	0.37J	ug/L	1.0	01/14/16 00:29	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

**Method:** EPA 8015 Modified

**Description:** 8015 GCS THC-Diesel

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

### General Information:

5 samples were analyzed for EPA 8015 Modified. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: OEXT/40216

B: Analyte was detected in the associated method blank.

- BLANK for HBN 296890 [OEXT/402 (Lab ID: 1646011)
- Diesel Range Organics(C10-C28)

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

---

**Method:** EPA 5030/8015 Mod.

**Description:** Gasoline Range Organics

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

**General Information:**

5 samples were analyzed for EPA 5030/8015 Mod.. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

---

**Method:** EPA 6010

**Description:** 6010 MET ICP

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

**General Information:**

5 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

**Method:** EPA 7470

**Description:** 7470 Mercury

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

### General Information:

5 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

Analyte Comments:

QC Batch: MERP/8864

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- SW-OUTFALL-011216 (Lab ID: 92282728001)
  - Mercury

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

**Method:** EPA 8270

**Description:** 8270 MSSV HVI Semivol Organic

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

### General Information:

5 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/40218

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- SW-OUTFALL-011216 (Lab ID: 92282728001)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)
  - Terphenyl-d14 (S)

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

---

**Method:** EPA 8270

**Description:** 8270 MSSV HVI Semivol Organic

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

### Additional Comments:

Analyte Comments:

QC Batch: OEXT/40218

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- SW-OUTFALL-011216 (Lab ID: 92282728001)
  - Nitrobenzene-d5 (S)

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282728

---

**Method:** EPA 8260  
**Description:** 8260 MSV Low Level  
**Client:** Tetra Tech EMI  
**Date:** January 19, 2016

### General Information:

6 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/35177

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

- LCS (Lab ID: 1647123)
- Hexachloro-1,3-butadiene

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-OUTFALL-011216 Lab ID: 92282728001 Collected: 01/12/16 10:00 Received: 01/13/16 09:15 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	49.9	mg/L	0.50	0.10	1	01/13/16 11:00	01/13/16 18:48		
<b>Surrogates</b>									
n-Pentacosane (S)	56	%	48-110		1	01/13/16 11:00	01/13/16 18:48	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	2.9	mg/L	0.80	0.16	10		01/15/16 19:08		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-145		10		01/15/16 19:08	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:27	7440-38-2	
Barium	170	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:27	7440-39-3	
Cadmium	0.93J	ug/L	1.0	0.50	1	01/13/16 22:00	01/14/16 10:27	7440-43-9	
Chromium	16.7	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:27	7440-47-3	
Lead	55.5	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:27	7439-92-1	
Selenium	8.0J	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:27	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:27	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.40	0.20	1	01/14/16 09:40	01/14/16 12:14	7439-97-6	D3
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	100	16.8	10	01/13/16 13:30	01/13/16 17:19	83-32-9	
Acenaphthylene	ND	ug/L	100	17.9	10	01/13/16 13:30	01/13/16 17:19	208-96-8	
Aniline	2680	ug/L	1600	206	160	01/13/16 13:30	01/14/16 11:57	62-53-3	
Anthracene	ND	ug/L	100	10.8	10	01/13/16 13:30	01/13/16 17:19	120-12-7	
Benzo(a)anthracene	ND	ug/L	100	7.2	10	01/13/16 13:30	01/13/16 17:19	56-55-3	
Benzo(a)pyrene	ND	ug/L	100	7.1	10	01/13/16 13:30	01/13/16 17:19	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	100	8.1	10	01/13/16 13:30	01/13/16 17:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	100	9.7	10	01/13/16 13:30	01/13/16 17:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	100	8.7	10	01/13/16 13:30	01/13/16 17:19	207-08-9	
Benzoic Acid	40900	ug/L	8000	1780	160	01/13/16 13:30	01/14/16 11:57	65-85-0	
Benzyl alcohol	ND	ug/L	200	34.0	10	01/13/16 13:30	01/13/16 17:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	100	13.2	10	01/13/16 13:30	01/13/16 17:19	101-55-3	
Butylbenzylphthalate	ND	ug/L	100	7.5	10	01/13/16 13:30	01/13/16 17:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	200	41.7	10	01/13/16 13:30	01/13/16 17:19	59-50-7	
4-Chloroaniline	ND	ug/L	200	33.9	10	01/13/16 13:30	01/13/16 17:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	100	16.8	10	01/13/16 13:30	01/13/16 17:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	100	14.7	10	01/13/16 13:30	01/13/16 17:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	100	16.2	10	01/13/16 13:30	01/13/16 17:19	108-60-1	
2-Chloronaphthalene	ND	ug/L	100	22.1	10	01/13/16 13:30	01/13/16 17:19	91-58-7	
2-Chlorophenol	ND	ug/L	100	14.6	10	01/13/16 13:30	01/13/16 17:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	100	20.9	10	01/13/16 13:30	01/13/16 17:19	7005-72-3	
Chrysene	ND	ug/L	100	6.5	10	01/13/16 13:30	01/13/16 17:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	100	7.0	10	01/13/16 13:30	01/13/16 17:19	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

**Sample: SW-OUTFALL-011216**      **Lab ID: 92282728001**      Collected: 01/12/16 10:00      Received: 01/13/16 09:15      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Dibenzofuran	ND	ug/L	100	17.7	10	01/13/16 13:30	01/13/16 17:19	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	100	11.8	10	01/13/16 13:30	01/13/16 17:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	100	10.9	10	01/13/16 13:30	01/13/16 17:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	100	12.3	10	01/13/16 13:30	01/13/16 17:19	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	200	14.2	10	01/13/16 13:30	01/13/16 17:19	91-94-1	
2,4-Dichlorophenol	ND	ug/L	100	16.6	10	01/13/16 13:30	01/13/16 17:19	120-83-2	
Diethylphthalate	ND	ug/L	100	13.3	10	01/13/16 13:30	01/13/16 17:19	84-66-2	
2,4-Dimethylphenol	<b>662</b>	ug/L	100	21.9	10	01/13/16 13:30	01/13/16 17:19	105-67-9	
Dimethylphthalate	ND	ug/L	100	14.8	10	01/13/16 13:30	01/13/16 17:19	131-11-3	
Di-n-butylphthalate	ND	ug/L	100	10.6	10	01/13/16 13:30	01/13/16 17:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	200	16.6	10	01/13/16 13:30	01/13/16 17:19	534-52-1	
2,4-Dinitrophenol	ND	ug/L	500	65.3	10	01/13/16 13:30	01/13/16 17:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	100	11.9	10	01/13/16 13:30	01/13/16 17:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	100	16.8	10	01/13/16 13:30	01/13/16 17:19	606-20-2	
Di-n-octylphthalate	ND	ug/L	100	8.6	10	01/13/16 13:30	01/13/16 17:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	60.0	8.5	10	01/13/16 13:30	01/13/16 17:19	117-81-7	
Fluoranthene	ND	ug/L	100	8.7	10	01/13/16 13:30	01/13/16 17:19	206-44-0	
Fluorene	ND	ug/L	100	15.6	10	01/13/16 13:30	01/13/16 17:19	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	100	18.4	10	01/13/16 13:30	01/13/16 17:19	87-68-3	
Hexachlorobenzene	ND	ug/L	100	11.4	10	01/13/16 13:30	01/13/16 17:19	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	100	17.5	10	01/13/16 13:30	01/13/16 17:19	77-47-4	
Hexachloroethane	ND	ug/L	100	14.6	10	01/13/16 13:30	01/13/16 17:19	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	100	18.0	10	01/13/16 13:30	01/13/16 17:19	193-39-5	
Isophorone	ND	ug/L	100	17.7	10	01/13/16 13:30	01/13/16 17:19	78-59-1	
1-Methylnaphthalene	ND	ug/L	100	18.0	10	01/13/16 13:30	01/13/16 17:19	90-12-0	
2-Methylnaphthalene	ND	ug/L	100	16.6	10	01/13/16 13:30	01/13/16 17:19	91-57-6	
2-Methylphenol(o-Cresol)	<b>1240</b>	ug/L	100	17.4	10	01/13/16 13:30	01/13/16 17:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	<b>1470</b>	ug/L	100	17.2	10	01/13/16 13:30	01/13/16 17:19		
Naphthalene	ND	ug/L	100	15.3	10	01/13/16 13:30	01/13/16 17:19	91-20-3	
2-Nitroaniline	ND	ug/L	500	28.2	10	01/13/16 13:30	01/13/16 17:19	88-74-4	
3-Nitroaniline	ND	ug/L	500	24.2	10	01/13/16 13:30	01/13/16 17:19	99-09-2	
4-Nitroaniline	ND	ug/L	200	25.4	10	01/13/16 13:30	01/13/16 17:19	100-01-6	
Nitrobenzene	ND	ug/L	100	16.6	10	01/13/16 13:30	01/13/16 17:19	98-95-3	
2-Nitrophenol	ND	ug/L	100	16.5	10	01/13/16 13:30	01/13/16 17:19	88-75-5	
4-Nitrophenol	ND	ug/L	500	57.9	10	01/13/16 13:30	01/13/16 17:19	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	100	12.6	10	01/13/16 13:30	01/13/16 17:19	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	100	20.7	10	01/13/16 13:30	01/13/16 17:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	100	13.2	10	01/13/16 13:30	01/13/16 17:19	86-30-6	
Pentachlorophenol	ND	ug/L	250	23.2	10	01/13/16 13:30	01/13/16 17:19	87-86-5	
Phenanthrene	ND	ug/L	100	10.3	10	01/13/16 13:30	01/13/16 17:19	85-01-8	
Phenol	<b>1660</b>	ug/L	100	16.8	10	01/13/16 13:30	01/13/16 17:19	108-95-2	
Pyrene	ND	ug/L	100	5.3	10	01/13/16 13:30	01/13/16 17:19	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	100	19.0	10	01/13/16 13:30	01/13/16 17:19	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	100	22.5	10	01/13/16 13:30	01/13/16 17:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	18.9	10	01/13/16 13:30	01/13/16 17:19	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

**Sample: SW-OUTFALL-011216**      **Lab ID: 92282728001**      Collected: 01/12/16 10:00      Received: 01/13/16 09:15      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	0	%	21-110		10	01/13/16 13:30	01/13/16 17:19	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	27-110		10	01/13/16 13:30	01/13/16 17:19	321-60-8	S4
Terphenyl-d14 (S)	0	%	31-107		10	01/13/16 13:30	01/13/16 17:19	1718-51-0	S4
Phenol-d6 (S)	0	%	10-110		10	01/13/16 13:30	01/13/16 17:19	13127-88-3	S4
2-Fluorophenol (S)	0	%	12-110		10	01/13/16 13:30	01/13/16 17:19	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	27-110		10	01/13/16 13:30	01/13/16 17:19	118-79-6	S4

### 8260 MSV Low Level

Analytical Method: EPA 8260

Acetone	<b>2470</b>	ug/L	250	100	10		01/14/16 16:06	67-64-1	
Benzene	<b>252</b>	ug/L	10.0	2.5	10		01/14/16 16:06	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 15:15	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 15:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 15:15	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 15:15	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 15:15	74-83-9	
2-Butanone (MEK)	<b>423</b>	ug/L	50.0	9.6	10		01/14/16 16:06	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 15:15	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 15:15	108-90-7	
Chloroethane	<b>1.2</b>	ug/L	1.0	0.54	1		01/14/16 15:15	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 15:15	67-66-3	
Chloromethane	<b>5.1</b>	ug/L	1.0	0.11	1		01/14/16 15:15	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 15:15	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 15:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 15:15	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 15:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 15:15	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 15:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 15:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 15:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 15:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 15:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 15:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 15:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 15:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 15:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 15:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 15:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 15:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 15:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 15:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 15:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 15:15	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 15:15	108-20-3	
Ethylbenzene	<b>4.7</b>	ug/L	1.0	0.30	1		01/14/16 15:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 15:15	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-OUTFALL-011216 Lab ID: 92282728001 Collected: 01/12/16 10:00 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
2-Hexanone	16.3	ug/L	5.0	0.46	1		01/14/16 15:15	591-78-6	
p-Isopropyltoluene	1.8	ug/L	1.0	0.31	1		01/14/16 15:15	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 15:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	1170	ug/L	50.0	3.3	10		01/14/16 16:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 15:15	1634-04-4	
Naphthalene	7.6	ug/L	1.0	0.24	1		01/14/16 15:15	91-20-3	
Styrene	17.3	ug/L	1.0	0.26	1		01/14/16 15:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 15:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 15:15	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 15:15	127-18-4	
Toluene	61.9	ug/L	1.0	0.26	1		01/14/16 15:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 15:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 15:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 15:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 15:15	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 15:15	79-01-6	
Trichlorofluoromethane	0.34J	ug/L	1.0	0.20	1		01/14/16 15:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 15:15	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 15:15	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 15:15	75-01-4	
Xylene (Total)	18.7	ug/L	2.0	0.66	1		01/14/16 15:15	1330-20-7	
m&p-Xylene	15.7	ug/L	2.0	0.66	1		01/14/16 15:15	179601-23-1	
o-Xylene	3.0	ug/L	1.0	0.23	1		01/14/16 15:15	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/14/16 15:15	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		01/14/16 15:15	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		01/14/16 15:15	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-DEPOT-011216		Lab ID: 92282728002		Collected: 01/12/16 10:25		Received: 01/13/16 09:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	0.11J	mg/L	0.50	0.10	1	01/13/16 11:00	01/13/16 18:48		B
<b>Surrogates</b>									
n-Pentacosane (S)	88	%	48-110		1	01/13/16 11:00	01/13/16 18:48	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	0.020J	mg/L	0.080	0.016	1		01/15/16 14:38		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-145		1		01/15/16 14:38	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:36	7440-38-2	
Barium	85.2	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:36	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	01/13/16 22:00	01/14/16 10:36	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:36	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:36	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:36	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:36	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	01/14/16 09:40	01/14/16 12:16	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 17:44	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 17:44	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 17:44	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/13/16 13:30	01/13/16 17:44	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/13/16 13:30	01/13/16 17:44	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/13/16 13:30	01/13/16 17:44	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/13/16 13:30	01/13/16 17:44	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 17:44	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.1	1	01/13/16 13:30	01/13/16 17:44	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 17:44	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 17:44	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/13/16 13:30	01/13/16 17:44	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/13/16 13:30	01/13/16 17:44	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 17:44	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 17:44	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 17:44	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 17:44	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 17:44	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 17:44	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/13/16 13:30	01/13/16 17:44	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/13/16 13:30	01/13/16 17:44	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

**Sample: SW-DEPOT-011216**      **Lab ID: 92282728002**      Collected: 01/12/16 10:25      Received: 01/13/16 09:15      Matrix: Water

Parameters	Results	Units	Report	MDL	DF	Prepared	Analyzed	CAS No.	Qual
			Limit						
8270 MSSV HVI Semivol Organic	Analytical Method: EPA 8270   Preparation Method: EPA 3510								
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 17:44	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 17:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 17:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 17:44	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/13/16 13:30	01/13/16 17:44	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 17:44	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 17:44	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 17:44	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 17:44	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/13/16 13:30	01/13/16 17:44	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/13/16 13:30	01/13/16 17:44	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 17:44	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/13/16 13:30	01/13/16 17:44	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/13/16 13:30	01/13/16 17:44	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 17:44	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 17:44	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 17:44	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 17:44	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 17:44	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 17:44	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 17:44	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 17:44	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 17:44	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44		
Naphthalene	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 17:44	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/13/16 13:30	01/13/16 17:44	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/13/16 13:30	01/13/16 17:44	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/13/16 13:30	01/13/16 17:44	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/13/16 13:30	01/13/16 17:44	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 17:44	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 17:44	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 17:44	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/13/16 13:30	01/13/16 17:44	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/13/16 13:30	01/13/16 17:44	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 17:44	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/13/16 13:30	01/13/16 17:44	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 17:44	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 17:44	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 17:44	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

**Sample:** SW-DEPOT-011216 **Lab ID:** 92282728002 **Collected:** 01/12/16 10:25 **Received:** 01/13/16 09:15 **Matrix:** Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	48	%	21-110		1	01/13/16 13:30	01/13/16 17:44	4165-60-0	
2-Fluorobiphenyl (S)	48	%	27-110		1	01/13/16 13:30	01/13/16 17:44	321-60-8	
Terphenyl-d14 (S)	72	%	31-107		1	01/13/16 13:30	01/13/16 17:44	1718-51-0	
Phenol-d6 (S)	12	%	10-110		1	01/13/16 13:30	01/13/16 17:44	13127-88-3	
2-Fluorophenol (S)	13	%	12-110		1	01/13/16 13:30	01/13/16 17:44	367-12-4	
2,4,6-Tribromophenol (S)	30	%	27-110		1	01/13/16 13:30	01/13/16 17:44	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 14:58	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 14:58	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:58	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 14:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 14:58	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 14:58	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 14:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 14:58	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 14:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 14:58	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 14:58	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 14:58	67-66-3	
Chloromethane	4.0	ug/L	1.0	0.11	1		01/14/16 14:58	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 14:58	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 14:58	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 14:58	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 14:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 14:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 14:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 14:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 14:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 14:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 14:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 14:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 14:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 14:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 14:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 14:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 14:58	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 14:58	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 14:58	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-DEPOT-011216		Lab ID: 92282728002		Collected: 01/12/16 10:25		Received: 01/13/16 09:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 14:58	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:58	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 14:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 14:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 14:58	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 14:58	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 14:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 14:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 14:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 14:58	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 14:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 14:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 14:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 14:58	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 14:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 14:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 14:58	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 14:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 14:58	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 14:58	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 14:58	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 14:58	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/14/16 14:58	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1		01/14/16 14:58	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		01/14/16 14:58	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-DEPOT-011216-DUP Lab ID: 92282728003 Collected: 01/12/16 10:40 Received: 01/13/16 09:15 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50	0.10	1	01/13/16 11:00	01/13/16 19:11		
<b>Surrogates</b>									
n-Pentacosane (S)	85	%	48-110		1	01/13/16 11:00	01/13/16 19:11	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	<b>0.041J</b>	mg/L	0.080	0.016	1		01/15/16 15:01		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-145		1		01/15/16 15:01	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:39	7440-38-2	
Barium	<b>85.3</b>	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:39	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	01/13/16 22:00	01/14/16 10:39	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:39	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:39	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:39	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:39	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	01/14/16 09:40	01/14/16 12:23	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 18:36	208-96-8	
Aniline	<b>2.8J</b>	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 18:36	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 18:36	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/13/16 13:30	01/13/16 18:36	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/13/16 13:30	01/13/16 18:36	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/13/16 13:30	01/13/16 18:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/13/16 13:30	01/13/16 18:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 18:36	207-08-9	
Benzoic Acid	<b>34.3J</b>	ug/L	50.0	11.1	1	01/13/16 13:30	01/13/16 18:36	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 18:36	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 18:36	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/13/16 13:30	01/13/16 18:36	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/13/16 13:30	01/13/16 18:36	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 18:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 18:36	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 18:36	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 18:36	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 18:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 18:36	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/13/16 13:30	01/13/16 18:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/13/16 13:30	01/13/16 18:36	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

**Sample:** SW-DEPOT-011216-DUP **Lab ID:** 92282728003 **Collected:** 01/12/16 10:40 **Received:** 01/13/16 09:15 **Matrix:** Water

Parameters	Results	Units	Report	MDL	DF	Prepared	Analyzed	CAS No.	Qual
			Limit						
8270 MSSV HVI Semivol Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 18:36	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 18:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 18:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 18:36	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/13/16 13:30	01/13/16 18:36	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 18:36	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 18:36	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 18:36	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 18:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/13/16 13:30	01/13/16 18:36	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/13/16 13:30	01/13/16 18:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 18:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/13/16 13:30	01/13/16 18:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/13/16 13:30	01/13/16 18:36	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 18:36	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 18:36	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 18:36	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 18:36	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 18:36	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 18:36	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 18:36	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 18:36	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 18:36	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36		
Naphthalene	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 18:36	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/13/16 13:30	01/13/16 18:36	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/13/16 13:30	01/13/16 18:36	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/13/16 13:30	01/13/16 18:36	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/13/16 13:30	01/13/16 18:36	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 18:36	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 18:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 18:36	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/13/16 13:30	01/13/16 18:36	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/13/16 13:30	01/13/16 18:36	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 18:36	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/13/16 13:30	01/13/16 18:36	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 18:36	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 18:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 18:36	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-DEPOT-011216-DUP Lab ID: 92282728003 Collected: 01/12/16 10:40 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	73	%	21-110		1	01/13/16 13:30	01/13/16 18:36	4165-60-0	
2-Fluorobiphenyl (S)	77	%	27-110		1	01/13/16 13:30	01/13/16 18:36	321-60-8	
Terphenyl-d14 (S)	79	%	31-107		1	01/13/16 13:30	01/13/16 18:36	1718-51-0	
Phenol-d6 (S)	27	%	10-110		1	01/13/16 13:30	01/13/16 18:36	13127-88-3	
2-Fluorophenol (S)	37	%	12-110		1	01/13/16 13:30	01/13/16 18:36	367-12-4	
2,4,6-Tribromophenol (S)	71	%	27-110		1	01/13/16 13:30	01/13/16 18:36	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 14:41	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 14:41	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:41	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 14:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 14:41	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 14:41	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 14:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 14:41	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 14:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 14:41	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 14:41	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 14:41	67-66-3	
Chloromethane	13.3	ug/L	1.0	0.11	1		01/14/16 14:41	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 14:41	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 14:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 14:41	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 14:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 14:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 14:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 14:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 14:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 14:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 14:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 14:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 14:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 14:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 14:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 14:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 14:41	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 14:41	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 14:41	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-DEPOT-011216-DUP      Lab ID: 92282728003      Collected: 01/12/16 10:40      Received: 01/13/16 09:15      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 14:41	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:41	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 14:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 14:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 14:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 14:41	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 14:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 14:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 14:41	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 14:41	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 14:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 14:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 14:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 14:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 14:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 14:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 14:41	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 14:41	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 14:41	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 14:41	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 14:41	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 14:41	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/14/16 14:41	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		01/14/16 14:41	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		01/14/16 14:41	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-UPSTREAM-011216 Lab ID: 92282728004 Collected: 01/12/16 10:55 Received: 01/13/16 09:15 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50	0.10	1	01/13/16 11:00	01/13/16 19:11		
<b>Surrogates</b>									
n-Pentacosane (S)	81	%	48-110		1	01/13/16 11:00	01/13/16 19:11	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	<b>0.027J</b>	mg/L	0.080	0.016	1		01/15/16 15:24		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-145		1		01/15/16 15:24	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:42	7440-38-2	
Barium	<b>27.3</b>	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:42	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	01/13/16 22:00	01/14/16 10:42	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:42	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:42	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:42	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:42	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	01/14/16 09:40	01/14/16 12:25	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:01	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:01	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:01	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/13/16 13:30	01/13/16 19:01	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/13/16 13:30	01/13/16 19:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/13/16 13:30	01/13/16 19:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/13/16 13:30	01/13/16 19:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 19:01	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.1	1	01/13/16 13:30	01/13/16 19:01	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 19:01	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:01	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/13/16 13:30	01/13/16 19:01	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/13/16 13:30	01/13/16 19:01	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 19:01	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:01	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 19:01	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 19:01	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:01	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 19:01	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/13/16 13:30	01/13/16 19:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/13/16 13:30	01/13/16 19:01	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

**Sample:** SW-UPSTREAM-011216 **Lab ID:** 92282728004 **Collected:** 01/12/16 10:55 **Received:** 01/13/16 09:15 **Matrix:** Water

Parameters	Results	Units	Report	MDL	DF	Prepared	Analyzed	CAS No.	Qual
			Limit						
8270 MSSV HVI Semivol Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:01	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 19:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 19:01	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/13/16 13:30	01/13/16 19:01	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:01	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 19:01	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:01	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/13/16 13:30	01/13/16 19:01	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/13/16 13:30	01/13/16 19:01	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 19:01	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/13/16 13:30	01/13/16 19:01	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/13/16 13:30	01/13/16 19:01	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 19:01	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 19:01	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:01	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:01	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:01	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:01	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:01	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:01	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:01	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01		
Naphthalene	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:01	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/13/16 13:30	01/13/16 19:01	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/13/16 13:30	01/13/16 19:01	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/13/16 13:30	01/13/16 19:01	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/13/16 13:30	01/13/16 19:01	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:01	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 19:01	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:01	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/13/16 13:30	01/13/16 19:01	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/13/16 13:30	01/13/16 19:01	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:01	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/13/16 13:30	01/13/16 19:01	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 19:01	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 19:01	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 19:01	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

**Sample:** SW-UPSTREAM-011216 **Lab ID:** 92282728004 **Collected:** 01/12/16 10:55 **Received:** 01/13/16 09:15 **Matrix:** Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	63	%	21-110		1	01/13/16 13:30	01/13/16 19:01	4165-60-0	
2-Fluorobiphenyl (S)	68	%	27-110		1	01/13/16 13:30	01/13/16 19:01	321-60-8	
Terphenyl-d14 (S)	75	%	31-107		1	01/13/16 13:30	01/13/16 19:01	1718-51-0	
Phenol-d6 (S)	24	%	10-110		1	01/13/16 13:30	01/13/16 19:01	13127-88-3	
2-Fluorophenol (S)	33	%	12-110		1	01/13/16 13:30	01/13/16 19:01	367-12-4	
2,4,6-Tribromophenol (S)	59	%	27-110		1	01/13/16 13:30	01/13/16 19:01	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 14:24	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 14:24	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:24	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 14:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 14:24	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 14:24	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 14:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 14:24	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 14:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 14:24	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 14:24	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 14:24	67-66-3	
Chloromethane	10.4	ug/L	1.0	0.11	1		01/14/16 14:24	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 14:24	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 14:24	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 14:24	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 14:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 14:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 14:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 14:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 14:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 14:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 14:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 14:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 14:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 14:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 14:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 14:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 14:24	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 14:24	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 14:24	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-UPSTREAM-011216 Lab ID: 92282728004 Collected: 01/12/16 10:55 Received: 01/13/16 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 14:24	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:24	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 14:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 14:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 14:24	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 14:24	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 14:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 14:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 14:24	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 14:24	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 14:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 14:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 14:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 14:24	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 14:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 14:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 14:24	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 14:24	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 14:24	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 14:24	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 14:24	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 14:24	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/14/16 14:24	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		01/14/16 14:24	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		01/14/16 14:24	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-INTAKE-011216		Lab ID: 92282728005		Collected: 01/12/16 11:15		Received: 01/13/16 09:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50	0.10	1	01/13/16 11:00	01/13/16 19:35		
<b>Surrogates</b>									
n-Pentacosane (S)	80	%	48-110		1	01/13/16 11:00	01/13/16 19:35	629-99-2	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	<b>0.021J</b>	mg/L	0.080	0.016	1		01/15/16 15:47		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-145		1		01/15/16 15:47	460-00-4	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:45	7440-38-2	
Barium	<b>27.7</b>	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:45	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	01/13/16 22:00	01/14/16 10:45	7440-43-9	
Chromium	<b>8.5</b>	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:45	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:45	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/13/16 22:00	01/14/16 10:45	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/13/16 22:00	01/14/16 10:45	7440-22-4	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	01/14/16 09:40	01/14/16 12:28	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:52	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:52	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:52	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/13/16 13:30	01/13/16 19:52	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/13/16 13:30	01/13/16 19:52	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/13/16 13:30	01/13/16 19:52	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/13/16 13:30	01/13/16 19:52	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 19:52	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.1	1	01/13/16 13:30	01/13/16 19:52	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 19:52	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:52	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/13/16 13:30	01/13/16 19:52	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/13/16 13:30	01/13/16 19:52	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/13/16 13:30	01/13/16 19:52	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:52	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 19:52	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 19:52	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:52	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 19:52	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/13/16 13:30	01/13/16 19:52	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/13/16 13:30	01/13/16 19:52	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

**Sample:** SW-INTAKE-011216 **Lab ID:** 92282728005 **Collected:** 01/12/16 11:15 **Received:** 01/13/16 09:15 **Matrix:** Water

Parameters	Results	Units	Report		MDL	DF	Prepared	Analyzed	CAS No.	Qual
			Limit							
8270 MSSV HVI Semivol Organic	Analytical Method: EPA 8270   Preparation Method: EPA 3510									
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:52	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 19:52	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:52	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 19:52	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/13/16 13:30	01/13/16 19:52	91-94-1		
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	120-83-2		
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:52	84-66-2		
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 19:52	105-67-9		
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:52	131-11-3		
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:52	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/13/16 13:30	01/13/16 19:52	534-52-1		
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/13/16 13:30	01/13/16 19:52	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/13/16 13:30	01/13/16 19:52	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	606-20-2		
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/13/16 13:30	01/13/16 19:52	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/13/16 13:30	01/13/16 19:52	117-81-7		
Fluoranthene	ND	ug/L	10.0	0.87	1	01/13/16 13:30	01/13/16 19:52	206-44-0		
Fluorene	ND	ug/L	10.0	1.6	1	01/13/16 13:30	01/13/16 19:52	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:52	87-68-3		
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/13/16 13:30	01/13/16 19:52	118-74-1		
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:52	77-47-4		
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:52	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:52	193-39-5		
Isophorone	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:52	78-59-1		
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/13/16 13:30	01/13/16 19:52	90-12-0		
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	91-57-6		
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	95-48-7		
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52			
Naphthalene	ND	ug/L	10.0	1.5	1	01/13/16 13:30	01/13/16 19:52	91-20-3		
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/13/16 13:30	01/13/16 19:52	88-74-4		
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/13/16 13:30	01/13/16 19:52	99-09-2		
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/13/16 13:30	01/13/16 19:52	100-01-6		
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	98-95-3		
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	88-75-5		
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/13/16 13:30	01/13/16 19:52	100-02-7		
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:52	62-75-9		
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/13/16 13:30	01/13/16 19:52	621-64-7		
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/13/16 13:30	01/13/16 19:52	86-30-6		
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/13/16 13:30	01/13/16 19:52	87-86-5		
Phenanthrene	ND	ug/L	10.0	1.0	1	01/13/16 13:30	01/13/16 19:52	85-01-8		
Phenol	ND	ug/L	10.0	1.7	1	01/13/16 13:30	01/13/16 19:52	108-95-2		
Pyrene	ND	ug/L	10.0	0.53	1	01/13/16 13:30	01/13/16 19:52	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 19:52	120-82-1		
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/13/16 13:30	01/13/16 19:52	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/13/16 13:30	01/13/16 19:52	88-06-2		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

**Sample:** SW-INTAKE-011216 **Lab ID:** 92282728005 **Collected:** 01/12/16 11:15 **Received:** 01/13/16 09:15 **Matrix:** Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	73	%	21-110		1	01/13/16 13:30	01/13/16 19:52	4165-60-0	
2-Fluorobiphenyl (S)	81	%	27-110		1	01/13/16 13:30	01/13/16 19:52	321-60-8	
Terphenyl-d14 (S)	83	%	31-107		1	01/13/16 13:30	01/13/16 19:52	1718-51-0	
Phenol-d6 (S)	34	%	10-110		1	01/13/16 13:30	01/13/16 19:52	13127-88-3	
2-Fluorophenol (S)	44	%	12-110		1	01/13/16 13:30	01/13/16 19:52	367-12-4	
2,4,6-Tribromophenol (S)	64	%	27-110		1	01/13/16 13:30	01/13/16 19:52	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 14:07	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 14:07	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:07	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 14:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 14:07	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 14:07	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 14:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 14:07	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 14:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 14:07	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 14:07	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 14:07	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 14:07	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 14:07	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 14:07	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 14:07	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 14:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 14:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 14:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 14:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 14:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 14:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 14:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 14:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 14:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 14:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 14:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 14:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 14:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 14:07	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 14:07	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 14:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 14:07	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: SW-INTAKE-011216		Lab ID: 92282728005		Collected: 01/12/16 11:15		Received: 01/13/16 09:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 14:07	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 14:07	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 14:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 14:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 14:07	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 14:07	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 14:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 14:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 14:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 14:07	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 14:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 14:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 14:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 14:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 14:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 14:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 14:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 14:07	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 14:07	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 14:07	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 14:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 14:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 14:07	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		01/14/16 14:07	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/14/16 14:07	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/14/16 14:07	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: TRIP BLANK		Lab ID: 92282728006		Collected: 01/12/16 00:00		Received: 01/13/16 09:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 00:29	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 00:29	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 00:29	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 00:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 00:29	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 00:29	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 00:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 00:29	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 00:29	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 00:29	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 00:29	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 00:29	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 00:29	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 00:29	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 00:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 00:29	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 00:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 00:29	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 00:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 00:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 00:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 00:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 00:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 00:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 00:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 00:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 00:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 00:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 00:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 00:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 00:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 00:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 00:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 00:29	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 00:29	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 00:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 00:29	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 00:29	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 00:29	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 00:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 00:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 00:29	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 00:29	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 00:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 00:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 00:29	79-34-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

Sample: TRIP BLANK		Lab ID: 92282728006		Collected: 01/12/16 00:00		Received: 01/13/16 09:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 00:29	127-18-4	
Toluene	<b>0.37J</b>	ug/L	1.0	0.26	1		01/14/16 00:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 00:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 00:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 00:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 00:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 00:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 00:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 00:29	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 00:29	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 00:29	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 00:29	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 00:29	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 00:29	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/14/16 00:29	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		01/14/16 00:29	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		01/14/16 00:29	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

QC Batch: GCV/10247 Analysis Method: EPA 5030/8015 Mod.  
QC Batch Method: EPA 5030/8015 Mod. Analysis Description: Gasoline Range Organics  
Associated Lab Samples: 92282728001, 92282728002, 92282728003, 92282728004, 92282728005

METHOD BLANK: 1646393 Matrix: Water  
Associated Lab Samples: 92282728001, 92282728002, 92282728003, 92282728004, 92282728005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	0.080	0.016	01/15/16 14:15	
4-Bromofluorobenzene (S)	%	101	70-145		01/15/16 14:15	

LABORATORY CONTROL SAMPLE & LCSD: 1646394		1646395								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gas Range Organics (C6-C10)	mg/L	1	1.1	1.1	113	112	70-150	1	30	
4-Bromofluorobenzene (S)	%				104	103	70-145			

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

QC Batch: MERP/8864

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Associated Lab Samples: 92282728001, 92282728002, 92282728003, 92282728004, 92282728005

METHOD BLANK: 1646840

Matrix: Water

Associated Lab Samples: 92282728001, 92282728002, 92282728003, 92282728004, 92282728005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.10	01/14/16 12:09	

LABORATORY CONTROL SAMPLE: 1646841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1646842 1646843

Parameter	Units	92282728002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.5	2.5	96	97	75-125	1	25	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

QC Batch: MPRP/20467 Analysis Method: EPA 6010  
QC Batch Method: EPA 3010A Analysis Description: 6010 MET  
Associated Lab Samples: 92282728001, 92282728002, 92282728003, 92282728004, 92282728005

METHOD BLANK: 1646717 Matrix: Water  
Associated Lab Samples: 92282728001, 92282728002, 92282728003, 92282728004, 92282728005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	5.0	01/14/16 10:21	
Barium	ug/L	ND	5.0	2.5	01/14/16 10:21	
Cadmium	ug/L	ND	1.0	0.50	01/14/16 10:21	
Chromium	ug/L	ND	5.0	2.5	01/14/16 10:21	
Lead	ug/L	ND	5.0	2.5	01/14/16 10:21	
Selenium	ug/L	ND	10.0	5.0	01/14/16 10:21	
Silver	ug/L	ND	5.0	2.5	01/14/16 10:21	

LABORATORY CONTROL SAMPLE: 1646718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	488	98	80-120	
Barium	ug/L	500	500	100	80-120	
Cadmium	ug/L	500	501	100	80-120	
Chromium	ug/L	500	496	99	80-120	
Lead	ug/L	500	492	98	80-120	
Selenium	ug/L	500	494	99	80-120	
Silver	ug/L	250	258	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1646719 1646720

Parameter	Units	92282728001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	500	500	494	504	98	100	75-125	2	20	
Barium	ug/L	170	500	500	663	676	98	101	75-125	2	20	
Cadmium	ug/L	0.93J	500	500	507	510	101	102	75-125	1	20	
Chromium	ug/L	16.7	500	500	503	515	97	100	75-125	2	20	
Lead	ug/L	55.5	500	500	525	523	94	94	75-125	0	20	
Selenium	ug/L	8.0J	500	500	467	497	92	98	75-125	6	20	
Silver	ug/L	ND	250	250	253	258	101	103	75-125	2	20	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

QC Batch: MSV/35167

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92282728006

METHOD BLANK: 1646733

Matrix: Water

Associated Lab Samples: 92282728006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.33	01/14/16 00:12	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.48	01/14/16 00:12	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.40	01/14/16 00:12	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.29	01/14/16 00:12	
1,1-Dichloroethane	ug/L	ND	1.0	0.32	01/14/16 00:12	
1,1-Dichloroethene	ug/L	ND	1.0	0.56	01/14/16 00:12	
1,1-Dichloropropene	ug/L	ND	1.0	0.49	01/14/16 00:12	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.33	01/14/16 00:12	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.41	01/14/16 00:12	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.35	01/14/16 00:12	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	2.0	01/14/16 00:12	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	01/14/16 00:12	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.30	01/14/16 00:12	
1,2-Dichloroethane	ug/L	ND	1.0	0.24	01/14/16 00:12	
1,2-Dichloropropane	ug/L	ND	1.0	0.27	01/14/16 00:12	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.24	01/14/16 00:12	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	01/14/16 00:12	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	01/14/16 00:12	
2,2-Dichloropropane	ug/L	ND	1.0	0.13	01/14/16 00:12	
2-Butanone (MEK)	ug/L	ND	5.0	0.96	01/14/16 00:12	
2-Chlorotoluene	ug/L	ND	1.0	0.35	01/14/16 00:12	
2-Hexanone	ug/L	ND	5.0	0.46	01/14/16 00:12	
4-Chlorotoluene	ug/L	ND	1.0	0.31	01/14/16 00:12	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	0.33	01/14/16 00:12	
Acetone	ug/L	ND	25.0	10.0	01/14/16 00:12	
Benzene	ug/L	ND	1.0	0.25	01/14/16 00:12	
Bromobenzene	ug/L	ND	1.0	0.30	01/14/16 00:12	
Bromochloromethane	ug/L	ND	1.0	0.17	01/14/16 00:12	
Bromodichloromethane	ug/L	ND	1.0	0.18	01/14/16 00:12	
Bromoform	ug/L	ND	1.0	0.26	01/14/16 00:12	
Bromomethane	ug/L	ND	2.0	0.29	01/14/16 00:12	
Carbon tetrachloride	ug/L	ND	1.0	0.25	01/14/16 00:12	
Chlorobenzene	ug/L	ND	1.0	0.23	01/14/16 00:12	
Chloroethane	ug/L	ND	1.0	0.54	01/14/16 00:12	
Chloroform	ug/L	ND	1.0	0.14	01/14/16 00:12	
Chloromethane	ug/L	ND	1.0	0.11	01/14/16 00:12	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.19	01/14/16 00:12	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.13	01/14/16 00:12	
Dibromochloromethane	ug/L	ND	1.0	0.21	01/14/16 00:12	
Dibromomethane	ug/L	ND	1.0	0.21	01/14/16 00:12	
Dichlorodifluoromethane	ug/L	ND	1.0	0.21	01/14/16 00:12	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

METHOD BLANK: 1646733

Matrix: Water

Associated Lab Samples: 92282728006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	0.12	01/14/16 00:12	
Ethylbenzene	ug/L	ND	1.0	0.30	01/14/16 00:12	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	0.71	01/14/16 00:12	
m&p-Xylene	ug/L	ND	2.0	0.66	01/14/16 00:12	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.21	01/14/16 00:12	
Methylene Chloride	ug/L	ND	2.0	0.97	01/14/16 00:12	
Naphthalene	ug/L	ND	1.0	0.24	01/14/16 00:12	
o-Xylene	ug/L	ND	1.0	0.23	01/14/16 00:12	
p-Isopropyltoluene	ug/L	ND	1.0	0.31	01/14/16 00:12	
Styrene	ug/L	ND	1.0	0.26	01/14/16 00:12	
Tetrachloroethene	ug/L	ND	1.0	0.46	01/14/16 00:12	
Toluene	ug/L	ND	1.0	0.26	01/14/16 00:12	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.49	01/14/16 00:12	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.26	01/14/16 00:12	
Trichloroethene	ug/L	ND	1.0	0.47	01/14/16 00:12	
Trichlorofluoromethane	ug/L	ND	1.0	0.20	01/14/16 00:12	
Vinyl acetate	ug/L	ND	2.0	0.35	01/14/16 00:12	
Vinyl chloride	ug/L	ND	1.0	0.62	01/14/16 00:12	
Xylene (Total)	ug/L	ND	2.0	0.66	01/14/16 00:12	
1,2-Dichloroethane-d4 (S)	%	98	70-130		01/14/16 00:12	
4-Bromofluorobenzene (S)	%	104	70-130		01/14/16 00:12	
Toluene-d8 (S)	%	108	70-130		01/14/16 00:12	

LABORATORY CONTROL SAMPLE: 1646734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	44.5	89	70-130	
1,1,1-Trichloroethane	ug/L	50	42.0	84	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	43.1	86	70-130	
1,1,2-Trichloroethane	ug/L	50	44.9	90	70-130	
1,1-Dichloroethane	ug/L	50	38.8	78	70-130	
1,1-Dichloroethene	ug/L	50	41.2	82	70-132	
1,1-Dichloropropene	ug/L	50	48.9	98	70-130	
1,2,3-Trichlorobenzene	ug/L	50	41.0	82	70-135	
1,2,3-Trichloropropane	ug/L	50	42.4	85	70-130	
1,2,4-Trichlorobenzene	ug/L	50	40.6	81	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	42.6	85	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	47.3	95	70-130	
1,2-Dichlorobenzene	ug/L	50	40.7	81	70-130	
1,2-Dichloroethane	ug/L	50	41.0	82	70-130	
1,2-Dichloropropane	ug/L	50	44.4	89	70-130	
1,3-Dichlorobenzene	ug/L	50	42.2	84	70-130	
1,3-Dichloropropane	ug/L	50	47.4	95	70-130	
1,4-Dichlorobenzene	ug/L	50	40.8	82	70-130	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

LABORATORY CONTROL SAMPLE: 1646734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	41.3	83	58-145	
2-Butanone (MEK)	ug/L	100	92.3	92	70-145	
2-Chlorotoluene	ug/L	50	40.2	80	70-130	
2-Hexanone	ug/L	100	90.6	91	70-144	
4-Chlorotoluene	ug/L	50	40.3	81	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	89.2	89	70-140	
Acetone	ug/L	100	91.0	91	50-175	
Benzene	ug/L	50	43.7	87	70-130	
Bromobenzene	ug/L	50	40.7	81	70-130	
Bromochloromethane	ug/L	50	44.3	89	70-130	
Bromodichloromethane	ug/L	50	40.4	81	70-130	
Bromoform	ug/L	50	42.8	86	70-130	
Bromomethane	ug/L	50	41.4	83	54-130	
Carbon tetrachloride	ug/L	50	41.4	83	70-132	
Chlorobenzene	ug/L	50	40.1	80	70-130	
Chloroethane	ug/L	50	40.9	82	64-134	
Chloroform	ug/L	50	42.8	86	70-130	
Chloromethane	ug/L	50	44.0	88	64-130	
cis-1,2-Dichloroethene	ug/L	50	38.6	77	70-131	
cis-1,3-Dichloropropene	ug/L	50	46.4	93	70-130	
Dibromochloromethane	ug/L	50	44.8	90	70-130	
Dibromomethane	ug/L	50	39.9	80	70-131	
Dichlorodifluoromethane	ug/L	50	42.9	86	56-130	
Diisopropyl ether	ug/L	50	43.2	86	70-130	
Ethylbenzene	ug/L	50	40.2	80	70-130	
Hexachloro-1,3-butadiene	ug/L	50	42.3	85	70-130	
m&p-Xylene	ug/L	100	78.5	78	70-130	
Methyl-tert-butyl ether	ug/L	50	45.1	90	70-130	
Methylene Chloride	ug/L	50	40.8	82	63-130	
Naphthalene	ug/L	50	43.8	88	70-138	
o-Xylene	ug/L	50	39.1	78	70-130	
p-Isopropyltoluene	ug/L	50	40.8	82	70-130	
Styrene	ug/L	50	40.1	80	70-130	
Tetrachloroethene	ug/L	50	43.8	88	70-130	
Toluene	ug/L	50	40.0	80	70-130	
trans-1,2-Dichloroethene	ug/L	50	41.7	83	70-130	
trans-1,3-Dichloropropene	ug/L	50	45.8	92	70-132	
Trichloroethene	ug/L	50	42.1	84	70-130	
Trichlorofluoromethane	ug/L	50	44.8	90	62-133	
Vinyl acetate	ug/L	100	90.7	91	66-157	
Vinyl chloride	ug/L	50	42.5	85	50-150	
Xylene (Total)	ug/L	150	118	78	70-130	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			95	70-130	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

QC Batch: MSV/35177

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92282728001, 92282728002, 92282728003, 92282728004, 92282728005

METHOD BLANK: 1647122

Matrix: Water

Associated Lab Samples: 92282728001, 92282728002, 92282728003, 92282728004, 92282728005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.33	01/14/16 13:33	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.48	01/14/16 13:33	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.40	01/14/16 13:33	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.29	01/14/16 13:33	
1,1-Dichloroethane	ug/L	ND	1.0	0.32	01/14/16 13:33	
1,1-Dichloroethene	ug/L	ND	1.0	0.56	01/14/16 13:33	
1,1-Dichloropropene	ug/L	ND	1.0	0.49	01/14/16 13:33	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.33	01/14/16 13:33	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.41	01/14/16 13:33	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.35	01/14/16 13:33	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	2.0	01/14/16 13:33	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	01/14/16 13:33	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.30	01/14/16 13:33	
1,2-Dichloroethane	ug/L	ND	1.0	0.24	01/14/16 13:33	
1,2-Dichloropropane	ug/L	ND	1.0	0.27	01/14/16 13:33	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.24	01/14/16 13:33	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	01/14/16 13:33	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	01/14/16 13:33	
2,2-Dichloropropane	ug/L	ND	1.0	0.13	01/14/16 13:33	
2-Butanone (MEK)	ug/L	ND	5.0	0.96	01/14/16 13:33	
2-Chlorotoluene	ug/L	ND	1.0	0.35	01/14/16 13:33	
2-Hexanone	ug/L	ND	5.0	0.46	01/14/16 13:33	
4-Chlorotoluene	ug/L	ND	1.0	0.31	01/14/16 13:33	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	0.33	01/14/16 13:33	
Acetone	ug/L	ND	25.0	10.0	01/14/16 13:33	
Benzene	ug/L	ND	1.0	0.25	01/14/16 13:33	
Bromobenzene	ug/L	ND	1.0	0.30	01/14/16 13:33	
Bromochloromethane	ug/L	ND	1.0	0.17	01/14/16 13:33	
Bromodichloromethane	ug/L	ND	1.0	0.18	01/14/16 13:33	
Bromoform	ug/L	ND	1.0	0.26	01/14/16 13:33	
Bromomethane	ug/L	ND	2.0	0.29	01/14/16 13:33	
Carbon tetrachloride	ug/L	ND	1.0	0.25	01/14/16 13:33	
Chlorobenzene	ug/L	ND	1.0	0.23	01/14/16 13:33	
Chloroethane	ug/L	ND	1.0	0.54	01/14/16 13:33	
Chloroform	ug/L	ND	1.0	0.14	01/14/16 13:33	
Chloromethane	ug/L	ND	1.0	0.11	01/14/16 13:33	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.19	01/14/16 13:33	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.13	01/14/16 13:33	
Dibromochloromethane	ug/L	ND	1.0	0.21	01/14/16 13:33	
Dibromomethane	ug/L	ND	1.0	0.21	01/14/16 13:33	
Dichlorodifluoromethane	ug/L	ND	1.0	0.21	01/14/16 13:33	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

METHOD BLANK: 1647122

Matrix: Water

Associated Lab Samples: 92282728001, 92282728002, 92282728003, 92282728004, 92282728005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	0.12	01/14/16 13:33	
Ethylbenzene	ug/L	ND	1.0	0.30	01/14/16 13:33	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	0.71	01/14/16 13:33	
m&p-Xylene	ug/L	ND	2.0	0.66	01/14/16 13:33	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.21	01/14/16 13:33	
Methylene Chloride	ug/L	ND	2.0	0.97	01/14/16 13:33	
Naphthalene	ug/L	ND	1.0	0.24	01/14/16 13:33	
o-Xylene	ug/L	ND	1.0	0.23	01/14/16 13:33	
p-Isopropyltoluene	ug/L	ND	1.0	0.31	01/14/16 13:33	
Styrene	ug/L	ND	1.0	0.26	01/14/16 13:33	
Tetrachloroethene	ug/L	ND	1.0	0.46	01/14/16 13:33	
Toluene	ug/L	ND	1.0	0.26	01/14/16 13:33	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.49	01/14/16 13:33	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.26	01/14/16 13:33	
Trichloroethene	ug/L	ND	1.0	0.47	01/14/16 13:33	
Trichlorofluoromethane	ug/L	ND	1.0	0.20	01/14/16 13:33	
Vinyl acetate	ug/L	ND	2.0	0.35	01/14/16 13:33	
Vinyl chloride	ug/L	ND	1.0	0.62	01/14/16 13:33	
Xylene (Total)	ug/L	ND	2.0	0.66	01/14/16 13:33	
1,2-Dichloroethane-d4 (S)	%	99	70-130		01/14/16 13:33	
4-Bromofluorobenzene (S)	%	100	70-130		01/14/16 13:33	
Toluene-d8 (S)	%	102	70-130		01/14/16 13:33	

LABORATORY CONTROL SAMPLE: 1647123

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.3	99	70-130	
1,1,1-Trichloroethane	ug/L	50	51.1	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.1	96	70-130	
1,1,2-Trichloroethane	ug/L	50	52.5	105	70-130	
1,1-Dichloroethane	ug/L	50	48.6	97	70-130	
1,1-Dichloroethene	ug/L	50	49.8	100	70-132	
1,1-Dichloropropene	ug/L	50	56.2	112	70-130	
1,2,3-Trichlorobenzene	ug/L	50	47.3	95	70-135	
1,2,3-Trichloropropane	ug/L	50	49.5	99	70-130	
1,2,4-Trichlorobenzene	ug/L	50	47.3	95	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	47.2	94	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	53.5	107	70-130	
1,2-Dichlorobenzene	ug/L	50	45.0	90	70-130	
1,2-Dichloroethane	ug/L	50	49.1	98	70-130	
1,2-Dichloropropane	ug/L	50	53.0	106	70-130	
1,3-Dichlorobenzene	ug/L	50	46.6	93	70-130	
1,3-Dichloropropane	ug/L	50	52.5	105	70-130	
1,4-Dichlorobenzene	ug/L	50	44.2	88	70-130	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

LABORATORY CONTROL SAMPLE: 1647123

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	51.8	104	58-145	
2-Butanone (MEK)	ug/L	100	109	109	70-145	
2-Chlorotoluene	ug/L	50	43.3	87	70-130	
2-Hexanone	ug/L	100	97.2	97	70-144	
4-Chlorotoluene	ug/L	50	45.7	91	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	93.0	93	70-140	
Acetone	ug/L	100	105	105	50-175	
Benzene	ug/L	50	53.1	106	70-130	
Bromobenzene	ug/L	50	45.3	91	70-130	
Bromochloromethane	ug/L	50	59.3	119	70-130	
Bromodichloromethane	ug/L	50	49.2	98	70-130	
Bromoform	ug/L	50	44.7	89	70-130	
Bromomethane	ug/L	50	45.1	90	54-130	
Carbon tetrachloride	ug/L	50	50.0	100	70-132	
Chlorobenzene	ug/L	50	45.3	91	70-130	
Chloroethane	ug/L	50	48.9	98	64-134	
Chloroform	ug/L	50	52.8	106	70-130	
Chloromethane	ug/L	50	51.4	103	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.6	97	70-131	
cis-1,3-Dichloropropene	ug/L	50	54.2	108	70-130	
Dibromochloromethane	ug/L	50	48.6	97	70-130	
Dibromomethane	ug/L	50	49.8	100	70-131	
Dichlorodifluoromethane	ug/L	50	49.4	99	56-130	
Diisopropyl ether	ug/L	50	50.1	100	70-130	
Ethylbenzene	ug/L	50	45.5	91	70-130	
Hexachloro-1,3-butadiene	ug/L	50	66.9	134	70-130	L0
m&p-Xylene	ug/L	100	88.1	88	70-130	
Methyl-tert-butyl ether	ug/L	50	51.4	103	70-130	
Methylene Chloride	ug/L	50	51.5	103	63-130	
Naphthalene	ug/L	50	49.0	98	70-138	
o-Xylene	ug/L	50	45.8	92	70-130	
p-Isopropyltoluene	ug/L	50	45.9	92	70-130	
Styrene	ug/L	50	46.9	94	70-130	
Tetrachloroethene	ug/L	50	48.3	97	70-130	
Toluene	ug/L	50	46.5	93	70-130	
trans-1,2-Dichloroethene	ug/L	50	55.2	110	70-130	
trans-1,3-Dichloropropene	ug/L	50	51.7	103	70-132	
Trichloroethene	ug/L	50	49.8	100	70-130	
Trichlorofluoromethane	ug/L	50	48.5	97	62-133	
Vinyl acetate	ug/L	100	98.7	99	66-157	
Vinyl chloride	ug/L	50	49.1	98	50-150	
Xylene (Total)	ug/L	150	134	89	70-130	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			98	70-130	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

QC Batch: OEXT/40216 Analysis Method: EPA 8015 Modified  
QC Batch Method: EPA 3510 Analysis Description: 8015 GCS  
Associated Lab Samples: 92282728001, 92282728002, 92282728003, 92282728004, 92282728005

METHOD BLANK: 1646011 Matrix: Water  
Associated Lab Samples: 92282728001, 92282728002, 92282728003, 92282728004, 92282728005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diesel Range Organics(C10-C28)	mg/L	0.24J	0.50	0.10	01/13/16 18:00	
n-Pentacosane (S)	%	85	48-110		01/13/16 18:00	

LABORATORY CONTROL SAMPLE & LCSD: 1646012

LABORATORY CONTROL SAMPLE & LCSD: 1646012			1646013							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics(C10-C28)	mg/L	10	8.5	8.7	85	87	41-114	2	30	
n-Pentacosane (S)	%				80	82	48-110			

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

QC Batch: OEXT/40218

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV HVI

Associated Lab Samples: 92282728001, 92282728002, 92282728003, 92282728004, 92282728005

METHOD BLANK: 1646048

Matrix: Water

Associated Lab Samples: 92282728001, 92282728002, 92282728003, 92282728004, 92282728005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	1.9	01/13/16 16:28	
1,2-Dichlorobenzene	ug/L	ND	10.0	1.2	01/13/16 16:28	
1,3-Dichlorobenzene	ug/L	ND	10.0	1.1	01/13/16 16:28	
1,4-Dichlorobenzene	ug/L	ND	10.0	1.2	01/13/16 16:28	
1-Methylnaphthalene	ug/L	ND	10.0	1.8	01/13/16 16:28	
2,4,5-Trichlorophenol	ug/L	ND	10.0	2.2	01/13/16 16:28	
2,4,6-Trichlorophenol	ug/L	ND	10.0	1.9	01/13/16 16:28	
2,4-Dichlorophenol	ug/L	ND	10.0	1.7	01/13/16 16:28	
2,4-Dimethylphenol	ug/L	ND	10.0	2.2	01/13/16 16:28	
2,4-Dinitrophenol	ug/L	ND	50.0	6.5	01/13/16 16:28	
2,4-Dinitrotoluene	ug/L	ND	10.0	1.2	01/13/16 16:28	
2,6-Dinitrotoluene	ug/L	ND	10.0	1.7	01/13/16 16:28	
2-Chloronaphthalene	ug/L	ND	10.0	2.2	01/13/16 16:28	
2-Chlorophenol	ug/L	ND	10.0	1.5	01/13/16 16:28	
2-Methylnaphthalene	ug/L	ND	10.0	1.7	01/13/16 16:28	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	1.7	01/13/16 16:28	
2-Nitroaniline	ug/L	ND	50.0	2.8	01/13/16 16:28	
2-Nitrophenol	ug/L	ND	10.0	1.7	01/13/16 16:28	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	1.7	01/13/16 16:28	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	1.4	01/13/16 16:28	
3-Nitroaniline	ug/L	ND	50.0	2.4	01/13/16 16:28	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	1.7	01/13/16 16:28	
4-Bromophenylphenyl ether	ug/L	ND	10.0	1.3	01/13/16 16:28	
4-Chloro-3-methylphenol	ug/L	ND	20.0	4.2	01/13/16 16:28	
4-Chloroaniline	ug/L	ND	20.0	3.4	01/13/16 16:28	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	2.1	01/13/16 16:28	
4-Nitroaniline	ug/L	ND	20.0	2.5	01/13/16 16:28	
4-Nitrophenol	ug/L	ND	50.0	5.8	01/13/16 16:28	
Acenaphthene	ug/L	ND	10.0	1.7	01/13/16 16:28	
Acenaphthylene	ug/L	ND	10.0	1.8	01/13/16 16:28	
Aniline	ug/L	ND	10.0	1.3	01/13/16 16:28	
Anthracene	ug/L	ND	10.0	1.1	01/13/16 16:28	
Benzo(a)anthracene	ug/L	ND	10.0	0.72	01/13/16 16:28	
Benzo(a)pyrene	ug/L	ND	10.0	0.71	01/13/16 16:28	
Benzo(b)fluoranthene	ug/L	ND	10.0	0.81	01/13/16 16:28	
Benzo(g,h,i)perylene	ug/L	ND	10.0	0.97	01/13/16 16:28	
Benzo(k)fluoranthene	ug/L	ND	10.0	0.87	01/13/16 16:28	
Benzoic Acid	ug/L	ND	50.0	11.1	01/13/16 16:28	
Benzyl alcohol	ug/L	ND	20.0	3.4	01/13/16 16:28	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	1.7	01/13/16 16:28	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	1.5	01/13/16 16:28	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

METHOD BLANK: 1646048

Matrix: Water

Associated Lab Samples: 92282728001, 92282728002, 92282728003, 92282728004, 92282728005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	1.6	01/13/16 16:28	
bis(2-Ethylhexyl)phthalate	ug/L	ND	6.0	0.85	01/13/16 16:28	
Butylbenzylphthalate	ug/L	ND	10.0	0.75	01/13/16 16:28	
Chrysene	ug/L	ND	10.0	0.65	01/13/16 16:28	
Di-n-butylphthalate	ug/L	ND	10.0	1.1	01/13/16 16:28	
Di-n-octylphthalate	ug/L	ND	10.0	0.86	01/13/16 16:28	
Dibenz(a,h)anthracene	ug/L	ND	10.0	0.70	01/13/16 16:28	
Dibenzofuran	ug/L	ND	10.0	1.8	01/13/16 16:28	
Diethylphthalate	ug/L	ND	10.0	1.3	01/13/16 16:28	
Dimethylphthalate	ug/L	ND	10.0	1.5	01/13/16 16:28	
Fluoranthene	ug/L	ND	10.0	0.87	01/13/16 16:28	
Fluorene	ug/L	ND	10.0	1.6	01/13/16 16:28	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	1.8	01/13/16 16:28	
Hexachlorobenzene	ug/L	ND	10.0	1.1	01/13/16 16:28	
Hexachlorocyclopentadiene	ug/L	ND	10.0	1.8	01/13/16 16:28	
Hexachloroethane	ug/L	ND	10.0	1.5	01/13/16 16:28	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	1.8	01/13/16 16:28	
Isophorone	ug/L	ND	10.0	1.8	01/13/16 16:28	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	2.1	01/13/16 16:28	
N-Nitrosodimethylamine	ug/L	ND	10.0	1.3	01/13/16 16:28	
N-Nitrosodiphenylamine	ug/L	ND	10.0	1.3	01/13/16 16:28	
Naphthalene	ug/L	ND	10.0	1.5	01/13/16 16:28	
Nitrobenzene	ug/L	ND	10.0	1.7	01/13/16 16:28	
Pentachlorophenol	ug/L	ND	25.0	2.3	01/13/16 16:28	
Phenanthrene	ug/L	ND	10.0	1.0	01/13/16 16:28	
Phenol	ug/L	ND	10.0	1.7	01/13/16 16:28	
Pyrene	ug/L	ND	10.0	0.53	01/13/16 16:28	
2,4,6-Tribromophenol (S)	%	62	27-110		01/13/16 16:28	
2-Fluorobiphenyl (S)	%	81	27-110		01/13/16 16:28	
2-Fluorophenol (S)	%	47	12-110		01/13/16 16:28	
Nitrobenzene-d5 (S)	%	71	21-110		01/13/16 16:28	
Phenol-d6 (S)	%	36	10-110		01/13/16 16:28	
Terphenyl-d14 (S)	%	76	31-107		01/13/16 16:28	

LABORATORY CONTROL SAMPLE: 1646049

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	36.8	74	31-120	
1,2-Dichlorobenzene	ug/L	50	34.6	69	38-120	
1,3-Dichlorobenzene	ug/L	50	34.6	69	30-122	
1,4-Dichlorobenzene	ug/L	50	35.4	71	37-120	
1-Methylnaphthalene	ug/L	50	38.0	76	34-113	
2,4,5-Trichlorophenol	ug/L	50	39.0	78	43-113	
2,4,6-Trichlorophenol	ug/L	50	36.1	72	42-120	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

LABORATORY CONTROL SAMPLE: 1646049

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dichlorophenol	ug/L	50	37.0	74	30-120	
2,4-Dimethylphenol	ug/L	50	39.1	78	29-111	
2,4-Dinitrophenol	ug/L	250	151	60	19-132	
2,4-Dinitrotoluene	ug/L	50	40.5	81	58-128	
2,6-Dinitrotoluene	ug/L	50	34.6	69	54-129	
2-Chloronaphthalene	ug/L	50	36.9	74	43-117	
2-Chlorophenol	ug/L	50	33.0	66	37-120	
2-Methylnaphthalene	ug/L	50	35.7	71	33-120	
2-Methylphenol(o-Cresol)	ug/L	50	31.0	62	31-120	
2-Nitroaniline	ug/L	100	70.7	71	48-121	
2-Nitrophenol	ug/L	50	31.5	63	25-116	
3&4-Methylphenol(m&p Cresol)	ug/L	50	28.7	57	23-120	
3,3'-Dichlorobenzidine	ug/L	100	70.2	70	10-154	
3-Nitroaniline	ug/L	100	66.3	66	43-115	
4,6-Dinitro-2-methylphenol	ug/L	100	68.0	68	44-124	
4-Bromophenylphenyl ether	ug/L	50	35.3	71	34-113	
4-Chloro-3-methylphenol	ug/L	100	72.6	73	31-110	
4-Chloroaniline	ug/L	100	67.3	67	20-120	
4-Chlorophenylphenyl ether	ug/L	50	36.7	73	34-116	
4-Nitroaniline	ug/L	100	79.6	80	46-128	
4-Nitrophenol	ug/L	250	97.5	39	11-120	
Acenaphthene	ug/L	50	38.6	77	48-114	
Acenaphthylene	ug/L	50	38.0	76	48-112	
Aniline	ug/L	50	26.1	52	26-120	
Anthracene	ug/L	50	41.2	82	57-118	
Benzo(a)anthracene	ug/L	50	42.0	84	56-121	
Benzo(a)pyrene	ug/L	50	32.3	65	55-127	
Benzo(b)fluoranthene	ug/L	50	32.6	65	53-128	
Benzo(g,h,i)perylene	ug/L	50	39.3	79	54-125	
Benzo(k)fluoranthene	ug/L	50	41.0	82	51-123	
Benzoic Acid	ug/L	250	78.6	31	10-120	
Benzyl alcohol	ug/L	100	67.0	67	27-120	
bis(2-Chloroethoxy)methane	ug/L	50	34.7	69	32-120	
bis(2-Chloroethyl) ether	ug/L	50	33.1	66	33-111	
bis(2-Chloroisopropyl) ether	ug/L	50	22.7	45	15-120	
bis(2-Ethylhexyl)phthalate	ug/L	50	35.8	72	50-145	
Butylbenzylphthalate	ug/L	50	41.1	82	54-138	
Chrysene	ug/L	50	42.8	86	58-127	
Di-n-butylphthalate	ug/L	50	43.0	86	56-125	
Di-n-octylphthalate	ug/L	50	32.9	66	50-134	
Dibenz(a,h)anthracene	ug/L	50	33.4	67	53-129	
Dibenzofuran	ug/L	50	37.9	76	45-120	
Diethylphthalate	ug/L	50	39.9	80	53-120	
Dimethylphthalate	ug/L	50	38.6	77	55-116	
Fluoranthene	ug/L	50	44.2	88	57-125	
Fluorene	ug/L	50	40.2	80	53-118	
Hexachloro-1,3-butadiene	ug/L	50	36.1	72	23-120	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

LABORATORY CONTROL SAMPLE: 1646049

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/L	50	42.9	86	49-116	
Hexachlorocyclopentadiene	ug/L	50	34.5	69	26-158	
Hexachloroethane	ug/L	50	34.1	68	30-114	
Indeno(1,2,3-cd)pyrene	ug/L	50	37.6	75	55-128	
Isophorone	ug/L	50	37.3	75	31-118	
N-Nitroso-di-n-propylamine	ug/L	50	36.0	72	32-119	
N-Nitrosodimethylamine	ug/L	50	22.7	45	13-120	
N-Nitrosodiphenylamine	ug/L	50	34.5	69	43-120	
Naphthalene	ug/L	50	36.7	73	32-120	
Nitrobenzene	ug/L	50	34.9	70	33-110	
Pentachlorophenol	ug/L	100	78.5	78	10-137	
Phenanthrene	ug/L	50	39.2	78	57-117	
Phenol	ug/L	50	16.2	32	10-120	
Pyrene	ug/L	50	40.8	82	55-122	
2,4,6-Tribromophenol (S)	%			80	27-110	
2-Fluorobiphenyl (S)	%			74	27-110	
2-Fluorophenol (S)	%			44	12-110	
Nitrobenzene-d5 (S)	%			72	21-110	
Phenol-d6 (S)	%			31	10-110	
Terphenyl-d14 (S)	%			80	31-107	

MATRIX SPIKE SAMPLE: 1646050

Parameter	Units	92282728002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	37.9	76	10-110	
1,2-Dichlorobenzene	ug/L	ND	50	36.0	72	10-110	
1,3-Dichlorobenzene	ug/L	ND	50	35.6	71	10-110	
1,4-Dichlorobenzene	ug/L	ND	50	36.8	74	10-110	
1-Methylnaphthalene	ug/L	ND	50	39.0	78	14-110	
2,4,5-Trichlorophenol	ug/L	ND	50	35.5	71	19-105	
2,4,6-Trichlorophenol	ug/L	ND	50	32.5	65	13-108	
2,4-Dichlorophenol	ug/L	ND	50	36.1	72	29-111	
2,4-Dimethylphenol	ug/L	ND	50	39.5	79	21-103	
2,4-Dinitrophenol	ug/L	ND	250	106	42	10-109	
2,4-Dinitrotoluene	ug/L	ND	50	38.5	77	27-104	
2,6-Dinitrotoluene	ug/L	ND	50	35.3	71	28-101	
2-Chloronaphthalene	ug/L	ND	50	37.1	74	14-102	
2-Chlorophenol	ug/L	ND	50	31.4	63	16-110	
2-Methylnaphthalene	ug/L	ND	50	36.4	73	13-110	
2-Methylphenol(o-Cresol)	ug/L	ND	50	31.0	62	19-110	
2-Nitroaniline	ug/L	ND	100	70.6	71	26-103	
2-Nitrophenol	ug/L	ND	50	31.6	63	20-110	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	28.4	57	20-110	
3,3'-Dichlorobenzidine	ug/L	ND	100	71.2	71	25-112	
3-Nitroaniline	ug/L	ND	100	65.1	65	29-110	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

MATRIX SPIKE SAMPLE:		1646050	92282728002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers	
4,6-Dinitro-2-methylphenol	ug/L	ND	100	54.1	54	10-117		
4-Bromophenylphenyl ether	ug/L	ND	50	35.0	70	20-105		
4-Chloro-3-methylphenol	ug/L	ND	100	73.2	73	22-110		
4-Chloroaniline	ug/L	ND	100	66.9	67	20-100		
4-Chlorophenylphenyl ether	ug/L	ND	50	35.5	71	19-102		
4-Nitroaniline	ug/L	ND	100	75.5	76	29-110		
4-Nitrophenol	ug/L	ND	250	73.0	29	10-110		
Acenaphthene	ug/L	ND	50	37.6	75	17-100		
Acenaphthylene	ug/L	ND	50	37.8	76	21-100		
Aniline	ug/L	ND	50	28.8	58	10-110		
Anthracene	ug/L	ND	50	40.3	81	24-109		
Benzo(a)anthracene	ug/L	ND	50	40.9	82	22-117		
Benzo(a)pyrene	ug/L	ND	50	33.7	67	23-104		
Benzo(b)fluoranthene	ug/L	ND	50	33.1	66	23-103		
Benzo(g,h,i)perylene	ug/L	ND	50	39.7	79	18-111		
Benzo(k)fluoranthene	ug/L	ND	50	39.6	79	22-113		
Benzoic Acid	ug/L	ND	250	66.8	27	10-110		
Benzyl alcohol	ug/L	ND	100	67.9	68	19-101		
bis(2-Chloroethoxy)methane	ug/L	ND	50	34.6	69	22-110		
bis(2-Chloroethyl) ether	ug/L	ND	50	33.2	66	16-110		
bis(2-Chloroisopropyl) ether	ug/L	ND	50	22.8	46	14-110		
bis(2-Ethylhexyl)phthalate	ug/L	ND	50	38.8	78	23-102		
Butylbenzylphthalate	ug/L	ND	50	45.3	91	25-110		
Chrysene	ug/L	ND	50	42.4	85	23-115		
Di-n-butylphthalate	ug/L	ND	50	42.5	85	26-110		
Di-n-octylphthalate	ug/L	ND	50	37.4	75	22-110		
Dibenz(a,h)anthracene	ug/L	ND	50	33.9	68	21-112		
Dibenzofuran	ug/L	ND	50	36.9	74	19-102		
Diethylphthalate	ug/L	ND	50	38.4	77	29-110		
Dimethylphthalate	ug/L	ND	50	37.5	75	27-110		
Fluoranthene	ug/L	ND	50	42.8	86	23-112		
Fluorene	ug/L	ND	50	38.8	78	22-104		
Hexachloro-1,3-butadiene	ug/L	ND	50	37.8	76	10-110		
Hexachlorobenzene	ug/L	ND	50	42.5	85	21-116		
Hexachlorocyclopentadiene	ug/L	ND	50	34.5	69	10-110		
Hexachloroethane	ug/L	ND	50	36.0	72	10-110		
Indeno(1,2,3-cd)pyrene	ug/L	ND	50	38.1	76	20-113		
Isophorone	ug/L	ND	50	38.6	77	50-150		
N-Nitroso-di-n-propylamine	ug/L	ND	50	37.0	74	21-105		
N-Nitrosodimethylamine	ug/L	ND	50	23.0	46	10-110		
N-Nitrosodiphenylamine	ug/L	ND	50	34.2	68	23-107		
Naphthalene	ug/L	ND	50	38.3	77	10-110		
Nitrobenzene	ug/L	ND	50	35.2	70	20-110		
Pentachlorophenol	ug/L	ND	100	60.3	60	10-118		
Phenanthrene	ug/L	ND	50	38.1	76	24-106		
Phenol	ug/L	ND	50	16.4	33	12-110		
Pyrene	ug/L	ND	50	41.1	82	24-114		

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

MATRIX SPIKE SAMPLE: 1646050		92282728002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
2,4,6-Tribromophenol (S)	%				72	27-110	
2-Fluorobiphenyl (S)	%				73	27-110	
2-Fluorophenol (S)	%				39	12-110	
Nitrobenzene-d5 (S)	%				71	21-110	
Phenol-d6 (S)	%				30	10-110	
Terphenyl-d14 (S)	%				79	31-107	

SAMPLE DUPLICATE: 1646051

Parameter	Units	92282728004	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
1-Methylnaphthalene	ug/L	ND	ND		30	
2,4,5-Trichlorophenol	ug/L	ND	ND		30	
2,4,6-Trichlorophenol	ug/L	ND	ND		30	
2,4-Dichlorophenol	ug/L	ND	ND		30	
2,4-Dimethylphenol	ug/L	ND	ND		30	
2,4-Dinitrophenol	ug/L	ND	ND		30	
2,4-Dinitrotoluene	ug/L	ND	ND		30	
2,6-Dinitrotoluene	ug/L	ND	ND		30	
2-Chloronaphthalene	ug/L	ND	ND		30	
2-Chlorophenol	ug/L	ND	ND		30	
2-Methylnaphthalene	ug/L	ND	ND		30	
2-Methylphenol(o-Cresol)	ug/L	ND	ND		30	
2-Nitroaniline	ug/L	ND	ND		30	
2-Nitrophenol	ug/L	ND	ND		30	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	ND		30	
3,3'-Dichlorobenzidine	ug/L	ND	ND		30	
3-Nitroaniline	ug/L	ND	ND		30	
4,6-Dinitro-2-methylphenol	ug/L	ND	ND		30	
4-Bromophenylphenyl ether	ug/L	ND	ND		30	
4-Chloro-3-methylphenol	ug/L	ND	ND		30	
4-Chloroaniline	ug/L	ND	ND		30	
4-Chlorophenylphenyl ether	ug/L	ND	ND		30	
4-Nitroaniline	ug/L	ND	ND		30	
4-Nitrophenol	ug/L	ND	ND		30	
Acenaphthene	ug/L	ND	ND		30	
Acenaphthylene	ug/L	ND	ND		30	
Aniline	ug/L	ND	ND		30	
Anthracene	ug/L	ND	ND		30	
Benzo(a)anthracene	ug/L	ND	ND		30	
Benzo(a)pyrene	ug/L	ND	ND		30	
Benzo(b)fluoranthene	ug/L	ND	ND		30	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

SAMPLE DUPLICATE: 1646051

Parameter	Units	92282728004 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzo(g,h,i)perylene	ug/L	ND	ND		30	
Benzo(k)fluoranthene	ug/L	ND	ND		30	
Benzoic Acid	ug/L	ND	ND		30	
Benzyl alcohol	ug/L	ND	ND		30	
bis(2-Chloroethoxy)methane	ug/L	ND	ND		30	
bis(2-Chloroethyl) ether	ug/L	ND	ND		30	
bis(2-Chloroisopropyl) ether	ug/L	ND	ND		30	
bis(2-Ethylhexyl)phthalate	ug/L	ND	ND		30	
Butylbenzylphthalate	ug/L	ND	ND		30	
Chrysene	ug/L	ND	ND		30	
Di-n-butylphthalate	ug/L	ND	ND		30	
Di-n-octylphthalate	ug/L	ND	ND		30	
Dibenz(a,h)anthracene	ug/L	ND	ND		30	
Dibenzofuran	ug/L	ND	ND		30	
Diethylphthalate	ug/L	ND	ND		30	
Dimethylphthalate	ug/L	ND	ND		30	
Fluoranthene	ug/L	ND	ND		30	
Fluorene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
Hexachlorobenzene	ug/L	ND	ND		30	
Hexachlorocyclopentadiene	ug/L	ND	ND		30	
Hexachloroethane	ug/L	ND	ND		30	
Indeno(1,2,3-cd)pyrene	ug/L	ND	ND		30	
Isophorone	ug/L	ND	ND		30	
N-Nitroso-di-n-propylamine	ug/L	ND	ND		30	
N-Nitrosodimethylamine	ug/L	ND	ND		30	
N-Nitrosodiphenylamine	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
Nitrobenzene	ug/L	ND	ND		30	
Pentachlorophenol	ug/L	ND	ND		30	
Phenanthrene	ug/L	ND	ND		30	
Phenol	ug/L	ND	ND		30	
Pyrene	ug/L	ND	ND		30	
2,4,6-Tribromophenol (S)	%	59	45	27		
2-Fluorobiphenyl (S)	%	68	67	2		
2-Fluorophenol (S)	%	33	30	7		
Nitrobenzene-d5 (S)	%	63	68	8		
Phenol-d6 (S)	%	24	26	7		
Terphenyl-d14 (S)	%	75	72	4		

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALIFIERS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282728

### DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

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

TNI - The NELAC Institute.

### LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-C Pace Analytical Services - Charlotte

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

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

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

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pilot Mtn Tire Fire


Pace Project No.: 92282728


Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92282728001	SW-OUTFALL-011216	EPA 3510	OEXT/40216	EPA 8015 Modified	GCSV/23815
92282728002	SW-DEPOT-011216	EPA 3510	OEXT/40216	EPA 8015 Modified	GCSV/23815
92282728003	SW-DEPOT-011216-DUP	EPA 3510	OEXT/40216	EPA 8015 Modified	GCSV/23815
92282728004	SW-UPSTREAM-011216	EPA 3510	OEXT/40216	EPA 8015 Modified	GCSV/23815
92282728005	SW-INTAKE-011216	EPA 3510	OEXT/40216	EPA 8015 Modified	GCSV/23815
92282728001	SW-OUTFALL-011216	EPA 5030/8015 Mod.	GCV/10247		
92282728002	SW-DEPOT-011216	EPA 5030/8015 Mod.	GCV/10247		
92282728003	SW-DEPOT-011216-DUP	EPA 5030/8015 Mod.	GCV/10247		
92282728004	SW-UPSTREAM-011216	EPA 5030/8015 Mod.	GCV/10247		
92282728005	SW-INTAKE-011216	EPA 5030/8015 Mod.	GCV/10247		
92282728001	SW-OUTFALL-011216	EPA 3010A	MPRP/20467	EPA 6010	ICP/18467
92282728002	SW-DEPOT-011216	EPA 3010A	MPRP/20467	EPA 6010	ICP/18467
92282728003	SW-DEPOT-011216-DUP	EPA 3010A	MPRP/20467	EPA 6010	ICP/18467
92282728004	SW-UPSTREAM-011216	EPA 3010A	MPRP/20467	EPA 6010	ICP/18467
92282728005	SW-INTAKE-011216	EPA 3010A	MPRP/20467	EPA 6010	ICP/18467
92282728001	SW-OUTFALL-011216	EPA 7470	MERP/8864	EPA 7470	MERC/8513
92282728002	SW-DEPOT-011216	EPA 7470	MERP/8864	EPA 7470	MERC/8513
92282728003	SW-DEPOT-011216-DUP	EPA 7470	MERP/8864	EPA 7470	MERC/8513
92282728004	SW-UPSTREAM-011216	EPA 7470	MERP/8864	EPA 7470	MERC/8513
92282728005	SW-INTAKE-011216	EPA 7470	MERP/8864	EPA 7470	MERC/8513
92282728001	SW-OUTFALL-011216	EPA 3510	OEXT/40218	EPA 8270	MSSV/11767
92282728002	SW-DEPOT-011216	EPA 3510	OEXT/40218	EPA 8270	MSSV/11767
92282728003	SW-DEPOT-011216-DUP	EPA 3510	OEXT/40218	EPA 8270	MSSV/11767
92282728004	SW-UPSTREAM-011216	EPA 3510	OEXT/40218	EPA 8270	MSSV/11767
92282728005	SW-INTAKE-011216	EPA 3510	OEXT/40218	EPA 8270	MSSV/11767
92282728001	SW-OUTFALL-011216	EPA 8260	MSV/35177		
92282728002	SW-DEPOT-011216	EPA 8260	MSV/35177		
92282728003	SW-DEPOT-011216-DUP	EPA 8260	MSV/35177		
92282728004	SW-UPSTREAM-011216	EPA 8260	MSV/35177		
92282728005	SW-INTAKE-011216	EPA 8260	MSV/35177		
92282728006	TRIP BLANK	EPA 8260	MSV/35167		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



	Document Name:	Document Revised: 26OCT2015
	Sample Condition Upon Receipt(SCUR)	Page 1 of 2
	Document No.: F-CHR-CS-003-rev.17	Issuing Authority: Pace Huntersville Quality Office

<b>Sample Condition Upon Receipt</b>	Client Name: <u>Terra Tech</u>	Project #: <b>WO# : 92282728</b>
	Courier: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Client <input type="checkbox"/> Commercial <input type="checkbox"/> Pace <input type="checkbox"/> Other:	

Custody Seal on Cooler/Box Present? ☒ Yes ☒ No <sup>1-13</sup> Seals Intact? ☒ Yes ☐ No  
 Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other:  
 Thermometer Used: ☒ T1505 Type of Ice: ☐ Wet ☐ Blue ☐ None ☒ Samples on ice, cooling process has begun  
 Cooler Temp Corrected (°C): 1.3 Biological Tissue Frozen? ☐ Yes ☒ No ☐ N/A  
 Temp should be above freezing to 6°C Correction Factor: 0.0 °C Date and Initials of Person Examining Contents: AO 1-13-16  
 USDA Regulated Soil ( ☐ N/A, water sample)  
 Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☒ No  
 Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	6.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	7.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes Date/Time/ID/Analysis Matrix: <u>W +</u>	
All containers needing acid/base preservation have been checked? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation?	
(HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC,LLHg	
Samples checked for dechlorination? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

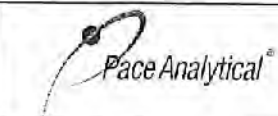
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_


Comments/Resolution: \_\_\_\_\_

Project Manager SCURF Review: 10

Date: 1/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (Out of hold, incorrect preservative, out of temp, incorrect containers).

	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: 26OCT2015 Page 1 of 2
	Document No.: <b>F-CHR-CS-003-rev.17</b>	Issuing Authority: Pace Huntersville Quality Office

<b>Sample Condition Upon Receipt</b> Courier: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Client <input type="checkbox"/> Commercial <input type="checkbox"/> Pace <input type="checkbox"/> Other: _____	<b>Client Name:</b> <u>Tech Tech</u> <b>Project #:</b> <b>WO# : 92282728</b> 
--	---

**Custody Seal on Cooler/Box Present?** ☒ Yes ☒ No **Seals Intact?** ☒ Yes ☐ No  
**Packing Material:** ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other: \_\_\_\_\_  
**Thermometer Used:** ☒ T1505 **Type of Ice:** ☐ Wet ☐ Blue ☐ None ☒ Samples on ice, cooling process has begun  
**Cooler Temp Corrected (°C):** 1.3 **Biological Tissue Frozen?** ☐ Yes ☐ No ☒ N/A  
**Temp should be above freezing to 6°C** **Correction Factor:** 0.0 °C **Date and Initials of Person Examining Contents:** AP 1-13-16  
**USDA Regulated Soil** ( ☐ N/A, water sample)  
**Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?** ☐ Yes ☒ No  
**Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)?** ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes Date/Time/ID/Analysis Matrix: <u>lv +</u>	
All containers needing acid/base preservation have been checked? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC,LLHg <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples checked for dechlorization <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____	

**CLIENT NOTIFICATION/RESOLUTION** **Field Data Required?** ☐ Yes ☒ No  
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/Resolution: \_\_\_\_\_

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

### Required Client Information

## Required Project Information

### Invoice Information

Page: 1 of 1907195Residual Chlorine (Y/N)

Pace Project No./ Lab I.D.

928273

401111

200

ORIGINAL

PRINT Name of SAMPLER: John Singler  
SIGNATURE of SAMPLER: John Singler

DATE Signed  
11/12/14

Temp in °C

Received on  
Ice (Y/N)

Custody  
Sealed Couple  
(Y/N)

### Samples Interacted

January 19, 2016

Jessica Vickers  
Tetra Tech  
950 South 4th Street  
Baldwyn, MS 38824

RE: Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282944

Dear Jessica Vickers:

Enclosed are the analytical results for sample(s) received by the laboratory on January 14, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,



Taylor Ezell  
taylor.ezell@pacelabs.com  
Project Manager

Enclosures

cc: John Snyder, Tetra Tech



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## CERTIFICATIONS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

---

### Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
West Virginia Certification #: 357  
Virginia/VELAP Certification #: 460221

---

### Asheville Certification IDs

2225 Riverside Drive, Asheville, NC 28804  
Florida/NELAP Certification #: E87648  
Massachusetts Certification #: M-NC030  
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40  
South Carolina Certification #: 99030001  
West Virginia Certification #: 356  
Virginia/VELAP Certification #: 460222

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## SAMPLE SUMMARY

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92282944001	SW-DEPOT-011316	Water	01/13/16 10:40	01/14/16 09:30
92282944002	SW-UPSTREAM-011316	Water	01/13/16 11:00	01/14/16 09:30
92282944003	SW-INTAKE-011317	Water	01/13/16 11:25	01/14/16 09:30
92282944004	Trip Blank	Water	01/13/16 00:00	01/14/16 09:30

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## SAMPLE ANALYTE COUNT

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92282944001	SW-DEPOT-011316	EPA 8015 Modified	BJL	2	PASI-C
		EPA 5030/8015 Mod.	ZDO	2	PASI-C
		EPA 6010	CDF	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C
92282944002	SW-UPSTREAM-011316	EPA 8015 Modified	BJL	2	PASI-C
		EPA 5030/8015 Mod.	ZDO	2	PASI-C
		EPA 6010	CDF	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C
92282944003	SW-INTAKE-011317	EPA 8015 Modified	BJL	2	PASI-C
		EPA 5030/8015 Mod.	ZDO	2	PASI-C
		EPA 6010	CDF	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C
92282944004	Trip Blank	EPA 8260	GAW	63	PASI-C

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## SUMMARY OF DETECTION

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92282944001</b>	<b>SW-DEPOT-011316</b>					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	0.82	mg/L	0.50	01/15/16 12:31	
EPA 5030/8015 Mod.	Gas Range Organics (C6-C10)	0.025J	mg/L	0.080	01/15/16 16:11	
EPA 6010	Barium	90.6	ug/L	5.0	01/15/16 13:09	
EPA 8270	Aniline	15.5	ug/L	10.0	01/15/16 11:23	
EPA 8270	Benzoic Acid	383	ug/L	50.0	01/15/16 11:23	
EPA 8270	2-Methylphenol(o-Cresol)	7.2J	ug/L	10.0	01/15/16 11:23	
EPA 8270	3&4-Methylphenol(m&p Cresol)	4.4J	ug/L	10.0	01/15/16 11:23	
EPA 8270	Phenol	22.4	ug/L	10.0	01/15/16 11:23	
EPA 8260	Acetone	25.8	ug/L	25.0	01/14/16 17:21	
EPA 8260	2-Butanone (MEK)	4.1J	ug/L	5.0	01/14/16 17:21	
EPA 8260	4-Methyl-2-pentanone (MIBK)	4.7J	ug/L	5.0	01/14/16 17:21	
EPA 8260	Trichloroethene	0.55J	ug/L	1.0	01/14/16 17:21	
<b>92282944002</b>	<b>SW-UPSTREAM-011316</b>					
EPA 5030/8015 Mod.	Gas Range Organics (C6-C10)	0.027J	mg/L	0.080	01/15/16 17:12	
EPA 6010	Barium	23.5	ug/L	5.0	01/15/16 13:27	
<b>92282944003</b>	<b>SW-INTAKE-011317</b>					
EPA 5030/8015 Mod.	Gas Range Organics (C6-C10)	0.029J	mg/L	0.080	01/15/16 17:35	
EPA 6010	Barium	22.9	ug/L	5.0	01/15/16 13:30	
<b>92282944004</b>	<b>Trip Blank</b>					
EPA 8260	Methylene Chloride	1.2J	ug/L	2.0	01/14/16 16:48	C9

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

---

**Method:** EPA 8015 Modified

**Description:** 8015 GCS THC-Diesel

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

### General Information:

3 samples were analyzed for EPA 8015 Modified. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

---

**Method:** EPA 5030/8015 Mod.

**Description:** Gasoline Range Organics

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

**General Information:**

3 samples were analyzed for EPA 5030/8015 Mod.. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

---

**Method:** EPA 6010

**Description:** 6010 MET ICP

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

**General Information:**

3 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

---

**Method:** EPA 7470

**Description:** 7470 Mercury

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

**General Information:**

3 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

---

**Method:** EPA 8270

**Description:** 8270 MSSV HVI Semivol Organic

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

**General Information:**

3 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282944

---

**Method:** EPA 8260  
**Description:** 8260 MSV Low Level  
**Client:** Tetra Tech EMI  
**Date:** January 19, 2016

### General Information:

4 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/35179

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

- LCS (Lab ID: 1647549)
- Hexachloro-1,3-butadiene

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

Analyte Comments:

QC Batch: MSV/35179

C9: Common Laboratory Contaminant.

- Trip Blank (Lab ID: 92282944004)
- Methylene Chloride

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-DEPOT-011316      Lab ID: 92282944001      Collected: 01/13/16 10:40      Received: 01/14/16 09:30      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified      Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	0.82	mg/L	0.50	0.10	1	01/15/16 09:30	01/15/16 12:31		
<b>Surrogates</b>									
n-Pentacosane (S)	94	%	48-110		1	01/15/16 09:30	01/15/16 12:31	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	0.025J	mg/L	0.080	0.016	1		01/15/16 16:11		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-145		1		01/15/16 16:11	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0	5.0	1	01/14/16 23:00	01/15/16 13:09	7440-38-2	
Barium	90.6	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:09	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	01/14/16 23:00	01/15/16 13:09	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:09	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:09	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/14/16 23:00	01/15/16 13:09	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:09	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470      Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	01/15/16 09:45	01/15/16 13:32	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:23	208-96-8	
Aniline	15.5	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:23	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:23	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/15/16 08:50	01/15/16 11:23	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/15/16 08:50	01/15/16 11:23	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/15/16 08:50	01/15/16 11:23	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/15/16 08:50	01/15/16 11:23	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 11:23	207-08-9	
Benzoic Acid	383	ug/L	50.0	11.1	1	01/15/16 08:50	01/15/16 11:23	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 11:23	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:23	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/15/16 08:50	01/15/16 11:23	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/15/16 08:50	01/15/16 11:23	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 11:23	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:23	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 11:23	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 11:23	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:23	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 11:23	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/15/16 08:50	01/15/16 11:23	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/15/16 08:50	01/15/16 11:23	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

**Sample: SW-DEPOT-011316**      **Lab ID: 92282944001**      Collected: 01/13/16 10:40      Received: 01/14/16 09:30      Matrix: Water

Parameters	Results	Units	Report	MDL	DF	Prepared	Analyzed	CAS No.	Qual
			Limit						
8270 MSSV HVI Semivol Organic	Analytical Method: EPA 8270   Preparation Method: EPA 3510								
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:23	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 11:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 11:23	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/15/16 08:50	01/15/16 11:23	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:23	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 11:23	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:23	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:23	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/15/16 08:50	01/15/16 11:23	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/15/16 08:50	01/15/16 11:23	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 11:23	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/15/16 08:50	01/15/16 11:23	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/15/16 08:50	01/15/16 11:23	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 11:23	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 11:23	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:23	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:23	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:23	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:23	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:23	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:23	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:23	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	91-57-6	
2-Methylphenol(o-Cresol)	7.2J	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	4.4J	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23		
Naphthalene	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:23	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/15/16 08:50	01/15/16 11:23	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/15/16 08:50	01/15/16 11:23	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/15/16 08:50	01/15/16 11:23	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/15/16 08:50	01/15/16 11:23	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:23	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 11:23	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:23	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/15/16 08:50	01/15/16 11:23	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/15/16 08:50	01/15/16 11:23	85-01-8	
Phenol	22.4	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:23	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/15/16 08:50	01/15/16 11:23	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 11:23	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 11:23	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 11:23	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-DEPOT-011316      Lab ID: 92282944001      Collected: 01/13/16 10:40      Received: 01/14/16 09:30      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	64	%	21-110		1	01/15/16 08:50	01/15/16 11:23	4165-60-0	
2-Fluorobiphenyl (S)	69	%	27-110		1	01/15/16 08:50	01/15/16 11:23	321-60-8	
Terphenyl-d14 (S)	52	%	31-107		1	01/15/16 08:50	01/15/16 11:23	1718-51-0	
Phenol-d6 (S)	18	%	10-110		1	01/15/16 08:50	01/15/16 11:23	13127-88-3	
2-Fluorophenol (S)	29	%	12-110		1	01/15/16 08:50	01/15/16 11:23	367-12-4	
2,4,6-Tribromophenol (S)	61	%	27-110		1	01/15/16 08:50	01/15/16 11:23	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	25.8	ug/L	25.0	10.0	1		01/14/16 17:21	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 17:21	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:21	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 17:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 17:21	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 17:21	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 17:21	74-83-9	
2-Butanone (MEK)	4.1J	ug/L	5.0	0.96	1		01/14/16 17:21	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 17:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 17:21	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 17:21	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 17:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 17:21	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 17:21	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 17:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 17:21	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 17:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 17:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 17:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 17:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 17:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 17:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 17:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 17:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 17:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 17:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 17:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 17:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 17:21	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 17:21	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 17:21	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-DEPOT-011316		Lab ID: 92282944001		Collected: 01/13/16 10:40		Received: 01/14/16 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 17:21	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:21	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 17:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>4.7J</b>	ug/L	5.0	0.33	1		01/14/16 17:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 17:21	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 17:21	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 17:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 17:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 17:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 17:21	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 17:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 17:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 17:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 17:21	79-00-5	
Trichloroethene	<b>0.55J</b>	ug/L	1.0	0.47	1		01/14/16 17:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 17:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 17:21	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 17:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 17:21	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 17:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 17:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 17:21	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		01/14/16 17:21	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		01/14/16 17:21	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/14/16 17:21	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-UPSTREAM-011316 Lab ID: 92282944002 Collected: 01/13/16 11:00 Received: 01/14/16 09:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50	0.10	1	01/15/16 09:30	01/15/16 12:55		
<b>Surrogates</b>									
n-Pentacosane (S)	73	%	48-110		1	01/15/16 09:30	01/15/16 12:55	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	<b>0.027J</b>	mg/L	0.080	0.016	1		01/15/16 17:12		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-145		1		01/15/16 17:12	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0	5.0	1	01/14/16 23:00	01/15/16 13:27	7440-38-2	
Barium	<b>23.5</b>	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:27	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	01/14/16 23:00	01/15/16 13:27	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:27	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:27	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/14/16 23:00	01/15/16 13:27	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:27	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	01/15/16 09:45	01/15/16 13:39	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:48	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:48	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:48	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/15/16 08:50	01/15/16 11:48	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/15/16 08:50	01/15/16 11:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/15/16 08:50	01/15/16 11:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/15/16 08:50	01/15/16 11:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 11:48	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.1	1	01/15/16 08:50	01/15/16 11:48	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 11:48	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:48	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/15/16 08:50	01/15/16 11:48	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/15/16 08:50	01/15/16 11:48	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 11:48	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:48	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 11:48	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 11:48	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:48	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 11:48	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/15/16 08:50	01/15/16 11:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/15/16 08:50	01/15/16 11:48	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-UPSTREAM-011316 Lab ID: 92282944002 Collected: 01/13/16 11:00 Received: 01/14/16 09:30 Matrix: Water

Parameters	Results	Units	Report	MDL	DF	Prepared	Analyzed	CAS No.	Qual
			Limit						
8270 MSSV HVI Semivol Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:48	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 11:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 11:48	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/15/16 08:50	01/15/16 11:48	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:48	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 11:48	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:48	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:48	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/15/16 08:50	01/15/16 11:48	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/15/16 08:50	01/15/16 11:48	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 11:48	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/15/16 08:50	01/15/16 11:48	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/15/16 08:50	01/15/16 11:48	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 11:48	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 11:48	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:48	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 11:48	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:48	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:48	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:48	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:48	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 11:48	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48		
Naphthalene	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 11:48	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/15/16 08:50	01/15/16 11:48	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/15/16 08:50	01/15/16 11:48	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/15/16 08:50	01/15/16 11:48	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/15/16 08:50	01/15/16 11:48	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:48	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 11:48	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 11:48	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/15/16 08:50	01/15/16 11:48	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/15/16 08:50	01/15/16 11:48	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 11:48	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/15/16 08:50	01/15/16 11:48	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 11:48	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 11:48	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 11:48	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-UPSTREAM-011316 Lab ID: 92282944002 Collected: 01/13/16 11:00 Received: 01/14/16 09:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	67	%	21-110		1	01/15/16 08:50	01/15/16 11:48	4165-60-0	
2-Fluorobiphenyl (S)	75	%	27-110		1	01/15/16 08:50	01/15/16 11:48	321-60-8	
Terphenyl-d14 (S)	68	%	31-107		1	01/15/16 08:50	01/15/16 11:48	1718-51-0	
Phenol-d6 (S)	24	%	10-110		1	01/15/16 08:50	01/15/16 11:48	13127-88-3	
2-Fluorophenol (S)	27	%	12-110		1	01/15/16 08:50	01/15/16 11:48	367-12-4	
2,4,6-Tribromophenol (S)	40	%	27-110		1	01/15/16 08:50	01/15/16 11:48	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 17:38	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 17:38	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:38	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 17:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 17:38	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 17:38	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 17:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 17:38	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 17:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 17:38	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 17:38	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 17:38	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 17:38	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 17:38	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 17:38	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 17:38	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 17:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 17:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 17:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 17:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 17:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 17:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 17:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 17:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 17:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 17:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 17:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 17:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 17:38	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 17:38	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 17:38	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-UPSTREAM-011316 Lab ID: 92282944002 Collected: 01/13/16 11:00 Received: 01/14/16 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 17:38	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:38	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 17:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 17:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 17:38	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 17:38	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 17:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 17:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 17:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 17:38	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 17:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 17:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 17:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 17:38	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 17:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 17:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 17:38	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 17:38	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 17:38	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 17:38	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 17:38	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 17:38	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/14/16 17:38	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		01/14/16 17:38	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/14/16 17:38	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-INTAKE-011317      Lab ID: 92282944003      Collected: 01/13/16 11:25      Received: 01/14/16 09:30      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified      Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50	0.10	1	01/15/16 09:30	01/15/16 12:55		
<b>Surrogates</b>									
n-Pentacosane (S)	85	%	48-110		1	01/15/16 09:30	01/15/16 12:55	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	<b>0.029J</b>	mg/L	0.080	0.016	1		01/15/16 17:35		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-145		1		01/15/16 17:35	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0	5.0	1	01/14/16 23:00	01/15/16 13:30	7440-38-2	
Barium	<b>22.9</b>	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:30	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	01/14/16 23:00	01/15/16 13:30	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:30	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:30	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/14/16 23:00	01/15/16 13:30	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/14/16 23:00	01/15/16 13:30	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470      Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	01/15/16 09:45	01/15/16 13:41	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 12:12	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 12:12	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 12:12	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/15/16 08:50	01/15/16 12:12	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/15/16 08:50	01/15/16 12:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/15/16 08:50	01/15/16 12:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/15/16 08:50	01/15/16 12:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 12:12	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.1	1	01/15/16 08:50	01/15/16 12:12	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 12:12	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 12:12	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/15/16 08:50	01/15/16 12:12	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/15/16 08:50	01/15/16 12:12	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 12:12	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 12:12	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 12:12	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 12:12	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 12:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 12:12	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/15/16 08:50	01/15/16 12:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/15/16 08:50	01/15/16 12:12	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

**Sample: SW-INTAKE-011317**      **Lab ID: 92282944003**      Collected: 01/13/16 11:25      Received: 01/14/16 09:30      Matrix: Water

Parameters	Results	Units	Report	MDL	DF	Prepared	Analyzed	CAS No.	Qual
			Limit						
8270 MSSV HVI Semivol Organic	Analytical Method: EPA 8270   Preparation Method: EPA 3510								
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 12:12	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 12:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 12:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 12:12	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/15/16 08:50	01/15/16 12:12	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 12:12	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 12:12	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 12:12	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 12:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/15/16 08:50	01/15/16 12:12	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/15/16 08:50	01/15/16 12:12	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 12:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/15/16 08:50	01/15/16 12:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/15/16 08:50	01/15/16 12:12	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 12:12	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 12:12	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 12:12	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 12:12	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 12:12	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 12:12	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 12:12	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 12:12	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 12:12	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12		
Naphthalene	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 12:12	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/15/16 08:50	01/15/16 12:12	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/15/16 08:50	01/15/16 12:12	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/15/16 08:50	01/15/16 12:12	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/15/16 08:50	01/15/16 12:12	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 12:12	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 12:12	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 12:12	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/15/16 08:50	01/15/16 12:12	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/15/16 08:50	01/15/16 12:12	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 12:12	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/15/16 08:50	01/15/16 12:12	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 12:12	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 12:12	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 12:12	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-INTAKE-011317      Lab ID: 92282944003      Collected: 01/13/16 11:25      Received: 01/14/16 09:30      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	63	%	21-110		1	01/15/16 08:50	01/15/16 12:12	4165-60-0	
2-Fluorobiphenyl (S)	70	%	27-110		1	01/15/16 08:50	01/15/16 12:12	321-60-8	
Terphenyl-d14 (S)	65	%	31-107		1	01/15/16 08:50	01/15/16 12:12	1718-51-0	
Phenol-d6 (S)	21	%	10-110		1	01/15/16 08:50	01/15/16 12:12	13127-88-3	
2-Fluorophenol (S)	28	%	12-110		1	01/15/16 08:50	01/15/16 12:12	367-12-4	
2,4,6-Tribromophenol (S)	47	%	27-110		1	01/15/16 08:50	01/15/16 12:12	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 17:54	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 17:54	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:54	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 17:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 17:54	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 17:54	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 17:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 17:54	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 17:54	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 17:54	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 17:54	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 17:54	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 17:54	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 17:54	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 17:54	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 17:54	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 17:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 17:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 17:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 17:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 17:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 17:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 17:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 17:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 17:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 17:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 17:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 17:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 17:54	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 17:54	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:54	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 17:54	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: SW-INTAKE-011317		Lab ID: 92282944003		Collected: 01/13/16 11:25		Received: 01/14/16 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 17:54	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:54	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 17:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 17:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 17:54	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 17:54	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 17:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 17:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 17:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 17:54	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 17:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 17:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 17:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 17:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 17:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 17:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 17:54	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 17:54	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 17:54	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 17:54	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 17:54	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 17:54	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/14/16 17:54	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		01/14/16 17:54	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/14/16 17:54	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: Trip Blank		Lab ID: 92282944004		Collected: 01/13/16 00:00		Received: 01/14/16 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 16:48	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 16:48	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 16:48	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 16:48	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 16:48	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 16:48	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 16:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 16:48	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 16:48	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 16:48	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 16:48	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 16:48	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 16:48	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 16:48	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 16:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 16:48	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 16:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 16:48	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 16:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 16:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 16:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 16:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 16:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 16:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 16:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 16:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 16:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 16:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 16:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 16:48	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 16:48	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 16:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 16:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 16:48	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 16:48	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 16:48	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 16:48	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 16:48	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 16:48	99-87-6	
Methylene Chloride	1.2J	ug/L	2.0	0.97	1		01/14/16 16:48	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 16:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 16:48	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 16:48	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 16:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 16:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 16:48	79-34-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

Sample: Trip Blank		Lab ID: 92282944004		Collected: 01/13/16 00:00		Received: 01/14/16 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 16:48	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 16:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 16:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 16:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 16:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 16:48	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 16:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 16:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 16:48	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 16:48	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 16:48	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 16:48	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 16:48	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 16:48	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/14/16 16:48	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/14/16 16:48	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/14/16 16:48	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

QC Batch: GCV/10247

Analysis Method: EPA 5030/8015 Mod.

QC Batch Method: EPA 5030/8015 Mod.

Analysis Description: Gasoline Range Organics

Associated Lab Samples: 92282944001, 92282944002, 92282944003

METHOD BLANK: 1646393

Matrix: Water

Associated Lab Samples: 92282944001, 92282944002, 92282944003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	0.080	0.016	01/15/16 14:15	
4-Bromofluorobenzene (S)	%	101	70-145		01/15/16 14:15	

LABORATORY CONTROL SAMPLE & LCSD: 1646394

1646395

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gas Range Organics (C6-C10)	mg/L	1	1.1	1.1	113	112	70-150	1	30	
4-Bromofluorobenzene (S)	%				104	103	70-145			

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

QC Batch: MERP/8867

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Associated Lab Samples: 92282944001, 92282944002, 92282944003

METHOD BLANK: 1647947

Matrix: Water

Associated Lab Samples: 92282944001, 92282944002, 92282944003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.10	01/15/16 13:27	

LABORATORY CONTROL SAMPLE: 1647948

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.7	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1647949 1647950

Parameter	Units	92282944001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.6	2.6	104	103	75-125	0	25	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

QC Batch: MPRP/20477 Analysis Method: EPA 6010  
QC Batch Method: EPA 3010A Analysis Description: 6010 MET  
Associated Lab Samples: 92282944001, 92282944002, 92282944003

METHOD BLANK: 1647888 Matrix: Water

Associated Lab Samples: 92282944001, 92282944002, 92282944003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	5.0	01/15/16 13:03	
Barium	ug/L	ND	5.0	2.5	01/15/16 13:03	
Cadmium	ug/L	ND	1.0	0.50	01/15/16 13:03	
Chromium	ug/L	ND	5.0	2.5	01/15/16 13:03	
Lead	ug/L	ND	5.0	2.5	01/15/16 13:03	
Selenium	ug/L	ND	10.0	5.0	01/15/16 13:03	
Silver	ug/L	ND	5.0	2.5	01/15/16 13:03	

LABORATORY CONTROL SAMPLE: 1647889

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	448	90	80-120	
Barium	ug/L	500	470	94	80-120	
Cadmium	ug/L	500	474	95	80-120	
Chromium	ug/L	500	484	97	80-120	
Lead	ug/L	500	463	93	80-120	
Selenium	ug/L	500	456	91	80-120	
Silver	ug/L	250	234	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1647890 1647891

Parameter	Units	92282944001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	500	500	438	417	87	83	75-125	5	20	
Barium	ug/L	90.6	500	500	552	523	92	87	75-125	5	20	
Cadmium	ug/L	ND	500	500	465	448	93	89	75-125	4	20	
Chromium	ug/L	ND	500	500	476	458	95	91	75-125	4	20	
Lead	ug/L	ND	500	500	456	436	91	87	75-125	4	20	
Selenium	ug/L	ND	500	500	445	428	89	85	75-125	4	20	
Silver	ug/L	ND	250	250	228	222	91	89	75-125	3	20	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

QC Batch: MSV/35179

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92282944001, 92282944002, 92282944003, 92282944004

METHOD BLANK: 1647548

Matrix: Water

Associated Lab Samples: 92282944001, 92282944002, 92282944003, 92282944004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.33	01/14/16 16:31	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.48	01/14/16 16:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.40	01/14/16 16:31	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.29	01/14/16 16:31	
1,1-Dichloroethane	ug/L	ND	1.0	0.32	01/14/16 16:31	
1,1-Dichloroethene	ug/L	ND	1.0	0.56	01/14/16 16:31	
1,1-Dichloropropene	ug/L	ND	1.0	0.49	01/14/16 16:31	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.33	01/14/16 16:31	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.41	01/14/16 16:31	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.35	01/14/16 16:31	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	2.0	01/14/16 16:31	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	01/14/16 16:31	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.30	01/14/16 16:31	
1,2-Dichloroethane	ug/L	ND	1.0	0.24	01/14/16 16:31	
1,2-Dichloropropane	ug/L	ND	1.0	0.27	01/14/16 16:31	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.24	01/14/16 16:31	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	01/14/16 16:31	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	01/14/16 16:31	
2,2-Dichloropropane	ug/L	ND	1.0	0.13	01/14/16 16:31	
2-Butanone (MEK)	ug/L	ND	5.0	0.96	01/14/16 16:31	
2-Chlorotoluene	ug/L	ND	1.0	0.35	01/14/16 16:31	
2-Hexanone	ug/L	ND	5.0	0.46	01/14/16 16:31	
4-Chlorotoluene	ug/L	ND	1.0	0.31	01/14/16 16:31	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	0.33	01/14/16 16:31	
Acetone	ug/L	ND	25.0	10.0	01/14/16 16:31	
Benzene	ug/L	ND	1.0	0.25	01/14/16 16:31	
Bromobenzene	ug/L	ND	1.0	0.30	01/14/16 16:31	
Bromochloromethane	ug/L	ND	1.0	0.17	01/14/16 16:31	
Bromodichloromethane	ug/L	ND	1.0	0.18	01/14/16 16:31	
Bromoform	ug/L	ND	1.0	0.26	01/14/16 16:31	
Bromomethane	ug/L	ND	2.0	0.29	01/14/16 16:31	
Carbon tetrachloride	ug/L	ND	1.0	0.25	01/14/16 16:31	
Chlorobenzene	ug/L	ND	1.0	0.23	01/14/16 16:31	
Chloroethane	ug/L	ND	1.0	0.54	01/14/16 16:31	
Chloroform	ug/L	ND	1.0	0.14	01/14/16 16:31	
Chloromethane	ug/L	ND	1.0	0.11	01/14/16 16:31	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.19	01/14/16 16:31	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.13	01/14/16 16:31	
Dibromochloromethane	ug/L	ND	1.0	0.21	01/14/16 16:31	
Dibromomethane	ug/L	ND	1.0	0.21	01/14/16 16:31	
Dichlorodifluoromethane	ug/L	ND	1.0	0.21	01/14/16 16:31	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

METHOD BLANK: 1647548

Matrix: Water

Associated Lab Samples: 92282944001, 92282944002, 92282944003, 92282944004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	0.12	01/14/16 16:31	
Ethylbenzene	ug/L	ND	1.0	0.30	01/14/16 16:31	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	0.71	01/14/16 16:31	
m&p-Xylene	ug/L	ND	2.0	0.66	01/14/16 16:31	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.21	01/14/16 16:31	
Methylene Chloride	ug/L	ND	2.0	0.97	01/14/16 16:31	
Naphthalene	ug/L	ND	1.0	0.24	01/14/16 16:31	
o-Xylene	ug/L	ND	1.0	0.23	01/14/16 16:31	
p-Isopropyltoluene	ug/L	ND	1.0	0.31	01/14/16 16:31	
Styrene	ug/L	ND	1.0	0.26	01/14/16 16:31	
Tetrachloroethene	ug/L	ND	1.0	0.46	01/14/16 16:31	
Toluene	ug/L	ND	1.0	0.26	01/14/16 16:31	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.49	01/14/16 16:31	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.26	01/14/16 16:31	
Trichloroethene	ug/L	ND	1.0	0.47	01/14/16 16:31	
Trichlorofluoromethane	ug/L	ND	1.0	0.20	01/14/16 16:31	
Vinyl acetate	ug/L	ND	2.0	0.35	01/14/16 16:31	
Vinyl chloride	ug/L	ND	1.0	0.62	01/14/16 16:31	
Xylene (Total)	ug/L	ND	2.0	0.66	01/14/16 16:31	
1,2-Dichloroethane-d4 (S)	%	98	70-130		01/14/16 16:31	
4-Bromofluorobenzene (S)	%	102	70-130		01/14/16 16:31	
Toluene-d8 (S)	%	101	70-130		01/14/16 16:31	

LABORATORY CONTROL SAMPLE: 1647549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.7	109	70-130	
1,1,1-Trichloroethane	ug/L	50	53.9	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.8	106	70-130	
1,1,2-Trichloroethane	ug/L	50	49.8	100	70-130	
1,1-Dichloroethane	ug/L	50	53.5	107	70-130	
1,1-Dichloroethene	ug/L	50	54.0	108	70-132	
1,1-Dichloropropene	ug/L	50	55.3	111	70-130	
1,2,3-Trichlorobenzene	ug/L	50	50.5	101	70-135	
1,2,3-Trichloropropane	ug/L	50	52.2	104	70-130	
1,2,4-Trichlorobenzene	ug/L	50	52.7	105	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	54.9	110	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	56.5	113	70-130	
1,2-Dichlorobenzene	ug/L	50	51.7	103	70-130	
1,2-Dichloroethane	ug/L	50	45.9	92	70-130	
1,2-Dichloropropane	ug/L	50	52.7	105	70-130	
1,3-Dichlorobenzene	ug/L	50	52.8	106	70-130	
1,3-Dichloropropane	ug/L	50	53.1	106	70-130	
1,4-Dichlorobenzene	ug/L	50	51.5	103	70-130	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

LABORATORY CONTROL SAMPLE: 1647549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	59.9	120	58-145	
2-Butanone (MEK)	ug/L	100	105	105	70-145	
2-Chlorotoluene	ug/L	50	53.6	107	70-130	
2-Hexanone	ug/L	100	103	103	70-144	
4-Chlorotoluene	ug/L	50	53.7	107	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	110	110	70-140	
Acetone	ug/L	100	99.5	100	50-175	
Benzene	ug/L	50	53.5	107	70-130	
Bromobenzene	ug/L	50	54.2	108	70-130	
Bromochloromethane	ug/L	50	52.1	104	70-130	
Bromodichloromethane	ug/L	50	54.6	109	70-130	
Bromoform	ug/L	50	43.5	87	70-130	
Bromomethane	ug/L	50	57.8	116	54-130	
Carbon tetrachloride	ug/L	50	56.0	112	70-132	
Chlorobenzene	ug/L	50	50.7	101	70-130	
Chloroethane	ug/L	50	48.9	98	64-134	
Chloroform	ug/L	50	50.6	101	70-130	
Chloromethane	ug/L	50	58.9	118	64-130	
cis-1,2-Dichloroethene	ug/L	50	52.4	105	70-131	
cis-1,3-Dichloropropene	ug/L	50	58.1	116	70-130	
Dibromochloromethane	ug/L	50	47.7	95	70-130	
Dibromomethane	ug/L	50	50.4	101	70-131	
Dichlorodifluoromethane	ug/L	50	57.8	116	56-130	
Diisopropyl ether	ug/L	50	53.8	108	70-130	
Ethylbenzene	ug/L	50	53.2	106	70-130	
Hexachloro-1,3-butadiene	ug/L	50	69.4	139	70-130	LO
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	55.3	111	70-130	
Methylene Chloride	ug/L	50	50.8	102	63-130	
Naphthalene	ug/L	50	50.5	101	70-138	
o-Xylene	ug/L	50	54.8	110	70-130	
p-Isopropyltoluene	ug/L	50	56.8	114	70-130	
Styrene	ug/L	50	57.2	114	70-130	
Tetrachloroethene	ug/L	50	49.4	99	70-130	
Toluene	ug/L	50	52.6	105	70-130	
trans-1,2-Dichloroethene	ug/L	50	53.3	107	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.8	102	70-132	
Trichloroethene	ug/L	50	48.9	98	70-130	
Trichlorofluoromethane	ug/L	50	53.4	107	62-133	
Vinyl acetate	ug/L	100	112	112	66-157	
Vinyl chloride	ug/L	50	59.6	119	50-150	
Xylene (Total)	ug/L	150	162	108	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			100	70-130	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

QC Batch: OEXT/40255 Analysis Method: EPA 8015 Modified  
QC Batch Method: EPA 3510 Analysis Description: 8015 GCS  
Associated Lab Samples: 92282944001, 92282944002, 92282944003

METHOD BLANK: 1648035 Matrix: Water

Associated Lab Samples: 92282944001, 92282944002, 92282944003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diesel Range Organics(C10-C28)	mg/L	ND	0.50	0.10	01/15/16 12:08	
n-Pentacosane (S)	%	83	48-110		01/15/16 12:08	

LABORATORY CONTROL SAMPLE & LCSD: 1648036

Parameter	Units	1648037								Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD			
Diesel Range Organics(C10-C28)	mg/L	10	8.7	9.0	87	90	41-114	3		30	
n-Pentacosane (S)	%				97	92	48-110				

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

QC Batch: OEXT/40252

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV HVI

Associated Lab Samples: 92282944001, 92282944002, 92282944003

METHOD BLANK: 1647961

Matrix: Water

Associated Lab Samples: 92282944001, 92282944002, 92282944003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	1.9	01/15/16 10:08	
1,2-Dichlorobenzene	ug/L	ND	10.0	1.2	01/15/16 10:08	
1,3-Dichlorobenzene	ug/L	ND	10.0	1.1	01/15/16 10:08	
1,4-Dichlorobenzene	ug/L	ND	10.0	1.2	01/15/16 10:08	
1-Methylnaphthalene	ug/L	ND	10.0	1.8	01/15/16 10:08	
2,4,5-Trichlorophenol	ug/L	ND	10.0	2.2	01/15/16 10:08	
2,4,6-Trichlorophenol	ug/L	ND	10.0	1.9	01/15/16 10:08	
2,4-Dichlorophenol	ug/L	ND	10.0	1.7	01/15/16 10:08	
2,4-Dimethylphenol	ug/L	ND	10.0	2.2	01/15/16 10:08	
2,4-Dinitrophenol	ug/L	ND	50.0	6.5	01/15/16 10:08	
2,4-Dinitrotoluene	ug/L	ND	10.0	1.2	01/15/16 10:08	
2,6-Dinitrotoluene	ug/L	ND	10.0	1.7	01/15/16 10:08	
2-Chloronaphthalene	ug/L	ND	10.0	2.2	01/15/16 10:08	
2-Chlorophenol	ug/L	ND	10.0	1.5	01/15/16 10:08	
2-Methylnaphthalene	ug/L	ND	10.0	1.7	01/15/16 10:08	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	1.7	01/15/16 10:08	
2-Nitroaniline	ug/L	ND	50.0	2.8	01/15/16 10:08	
2-Nitrophenol	ug/L	ND	10.0	1.7	01/15/16 10:08	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	1.7	01/15/16 10:08	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	1.4	01/15/16 10:08	
3-Nitroaniline	ug/L	ND	50.0	2.4	01/15/16 10:08	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	1.7	01/15/16 10:08	
4-Bromophenylphenyl ether	ug/L	ND	10.0	1.3	01/15/16 10:08	
4-Chloro-3-methylphenol	ug/L	ND	20.0	4.2	01/15/16 10:08	
4-Chloroaniline	ug/L	ND	20.0	3.4	01/15/16 10:08	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	2.1	01/15/16 10:08	
4-Nitroaniline	ug/L	ND	20.0	2.5	01/15/16 10:08	
4-Nitrophenol	ug/L	ND	50.0	5.8	01/15/16 10:08	
Acenaphthene	ug/L	ND	10.0	1.7	01/15/16 10:08	
Acenaphthylene	ug/L	ND	10.0	1.8	01/15/16 10:08	
Aniline	ug/L	ND	10.0	1.3	01/15/16 10:08	
Anthracene	ug/L	ND	10.0	1.1	01/15/16 10:08	
Benzo(a)anthracene	ug/L	ND	10.0	0.72	01/15/16 10:08	
Benzo(a)pyrene	ug/L	ND	10.0	0.71	01/15/16 10:08	
Benzo(b)fluoranthene	ug/L	ND	10.0	0.81	01/15/16 10:08	
Benzo(g,h,i)perylene	ug/L	ND	10.0	0.97	01/15/16 10:08	
Benzo(k)fluoranthene	ug/L	ND	10.0	0.87	01/15/16 10:08	
Benzoic Acid	ug/L	ND	50.0	11.1	01/15/16 10:08	
Benzyl alcohol	ug/L	ND	20.0	3.4	01/15/16 10:08	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	1.7	01/15/16 10:08	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	1.5	01/15/16 10:08	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

METHOD BLANK: 1647961

Matrix: Water

Associated Lab Samples: 92282944001, 92282944002, 92282944003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	1.6	01/15/16 10:08	
bis(2-Ethylhexyl)phthalate	ug/L	ND	6.0	0.85	01/15/16 10:08	
Butylbenzylphthalate	ug/L	ND	10.0	0.75	01/15/16 10:08	
Chrysene	ug/L	ND	10.0	0.65	01/15/16 10:08	
Di-n-butylphthalate	ug/L	ND	10.0	1.1	01/15/16 10:08	
Di-n-octylphthalate	ug/L	ND	10.0	0.86	01/15/16 10:08	
Dibenz(a,h)anthracene	ug/L	ND	10.0	0.70	01/15/16 10:08	
Dibenzofuran	ug/L	ND	10.0	1.8	01/15/16 10:08	
Diethylphthalate	ug/L	ND	10.0	1.3	01/15/16 10:08	
Dimethylphthalate	ug/L	ND	10.0	1.5	01/15/16 10:08	
Fluoranthene	ug/L	ND	10.0	0.87	01/15/16 10:08	
Fluorene	ug/L	ND	10.0	1.6	01/15/16 10:08	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	1.8	01/15/16 10:08	
Hexachlorobenzene	ug/L	ND	10.0	1.1	01/15/16 10:08	
Hexachlorocyclopentadiene	ug/L	ND	10.0	1.8	01/15/16 10:08	
Hexachloroethane	ug/L	ND	10.0	1.5	01/15/16 10:08	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	1.8	01/15/16 10:08	
Isophorone	ug/L	ND	10.0	1.8	01/15/16 10:08	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	2.1	01/15/16 10:08	
N-Nitrosodimethylamine	ug/L	ND	10.0	1.3	01/15/16 10:08	
N-Nitrosodiphenylamine	ug/L	ND	10.0	1.3	01/15/16 10:08	
Naphthalene	ug/L	ND	10.0	1.5	01/15/16 10:08	
Nitrobenzene	ug/L	ND	10.0	1.7	01/15/16 10:08	
Pentachlorophenol	ug/L	ND	25.0	2.3	01/15/16 10:08	
Phenanthrene	ug/L	ND	10.0	1.0	01/15/16 10:08	
Phenol	ug/L	ND	10.0	1.7	01/15/16 10:08	
Pyrene	ug/L	ND	10.0	0.53	01/15/16 10:08	
2,4,6-Tribromophenol (S)	%	54	27-110		01/15/16 10:08	
2-Fluorobiphenyl (S)	%	69	27-110		01/15/16 10:08	
2-Fluorophenol (S)	%	41	12-110		01/15/16 10:08	
Nitrobenzene-d5 (S)	%	65	21-110		01/15/16 10:08	
Phenol-d6 (S)	%	32	10-110		01/15/16 10:08	
Terphenyl-d14 (S)	%	68	31-107		01/15/16 10:08	

LABORATORY CONTROL SAMPLE & LCSD: 1647962

1647963

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	32.3	36.3	65	73	31-120	12	30	
1,2-Dichlorobenzene	ug/L	50	30.0	33.3	60	67	38-120	11	30	
1,3-Dichlorobenzene	ug/L	50	30.1	33.5	60	67	30-122	11	30	
1,4-Dichlorobenzene	ug/L	50	30.4	34.0	61	68	37-120	11	30	
1-Methylnaphthalene	ug/L	50	31.7	34.9	63	70	34-113	9	30	
2,4,5-Trichlorophenol	ug/L	50	30.9	35.0	62	70	43-113	12	30	
2,4,6-Trichlorophenol	ug/L	50	29.1	33.7	58	67	42-120	15	30	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

LABORATORY CONTROL SAMPLE & LCSD: 1647962			1647963							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,4-Dichlorophenol	ug/L	50	29.9	32.4	60	65	30-120	8	30	
2,4-Dimethylphenol	ug/L	50	31.7	34.7	63	69	29-111	9	30	
2,4-Dinitrophenol	ug/L	250	134	136	53	55	19-132	2	30	
2,4-Dinitrotoluene	ug/L	50	36.1	37.8	72	76	58-128	5	30	
2,6-Dinitrotoluene	ug/L	50	30.1	33.4	60	67	54-129	10	30	
2-Chloronaphthalene	ug/L	50	30.2	34.5	60	69	43-117	13	30	
2-Chlorophenol	ug/L	50	26.1	29.2	52	58	37-120	11	30	
2-Methylnaphthalene	ug/L	50	29.8	32.6	60	65	33-120	9	30	
2-Methylphenol(o-Cresol)	ug/L	50	24.4	27.6	49	55	31-120	12	30	
2-Nitroaniline	ug/L	100	59.1	66.0	59	66	48-121	11	30	
2-Nitrophenol	ug/L	50	25.3	28.2	51	56	25-116	11	30	
3&4-Methylphenol(m&p Cresol)	ug/L	50	22.7	24.7	45	49	23-120	9	30	
3,3'-Dichlorobenzidine	ug/L	100	70.3	72.6	70	73	10-154	3	30	
3-Nitroaniline	ug/L	100	60.0	63.6	60	64	43-115	6	30	
4,6-Dinitro-2-methylphenol	ug/L	100	63.4	64.0	63	64	44-124	1	30	
4-Bromophenylphenyl ether	ug/L	50	29.5	32.0	59	64	34-113	8	30	
4-Chloro-3-methylphenol	ug/L	100	58.7	63.6	59	64	31-110	8	30	
4-Chloroaniline	ug/L	100	54.0	59.8	54	60	20-120	10	30	
4-Chlorophenylphenyl ether	ug/L	50	29.8	33.4	60	67	34-116	11	30	
4-Nitroaniline	ug/L	100	70.4	73.1	70	73	46-128	4	30	
4-Nitrophenol	ug/L	250	91.5	85.6	37	34	11-120	7	30	
Acenaphthene	ug/L	50	30.9	35.7	62	71	48-114	14	30	
Acenaphthylene	ug/L	50	31.2	35.4	62	71	48-112	13	30	
Aniline	ug/L	50	20.2	22.5	40	45	26-120	11	30	
Anthracene	ug/L	50	35.7	37.0	71	74	57-118	4	30	
Benzo(a)anthracene	ug/L	50	37.2	37.4	74	75	56-121	1	30	
Benzo(a)pyrene	ug/L	50	28.1	29.9	56	60	55-127	6	30	
Benzo(b)fluoranthene	ug/L	50	26.8	26.7	54	53	53-128	0	30	
Benzo(g,h,i)perylene	ug/L	50	39.9	41.5	80	83	54-125	4	30	
Benzo(k)fluoranthene	ug/L	50	33.8	33.7	68	67	51-123	0	30	
Benzoic Acid	ug/L	250	74.8	76.8	30	31	10-120	3	30	
Benzyl alcohol	ug/L	100	52.7	58.6	53	59	27-120	11	30	
bis(2-Chloroethoxy)methane	ug/L	50	28.0	30.7	56	61	32-120	9	30	
bis(2-Chloroethyl) ether	ug/L	50	26.1	29.8	52	60	33-111	13	30	
bis(2-Chloroisopropyl) ether	ug/L	50	21.2	24.3	42	49	15-120	14	30	
bis(2-Ethylhexyl)phthalate	ug/L	50	34.3	34.3	69	69	50-145	0	30	
Butylbenzylphthalate	ug/L	50	36.4	36.7	73	73	54-138	1	30	
Chrysene	ug/L	50	37.9	38.8	76	78	58-127	2	30	
Di-n-butylphthalate	ug/L	50	37.6	37.4	75	75	56-125	1	30	
Di-n-octylphthalate	ug/L	50	33.3	34.3	67	69	50-134	3	30	
Dibenz(a,h)anthracene	ug/L	50	33.6	34.6	67	69	53-129	3	30	
Dibenzofuran	ug/L	50	31.0	35.2	62	70	45-120	13	30	
Diethylphthalate	ug/L	50	34.8	36.8	70	74	53-120	6	30	
Dimethylphthalate	ug/L	50	32.6	35.9	65	72	55-116	10	30	
Fluoranthene	ug/L	50	38.6	39.0	77	78	57-125	1	30	
Fluorene	ug/L	50	32.2	36.8	64	74	53-118	13	30	
Hexachloro-1,3-butadiene	ug/L	50	32.6	37.2	65	74	23-120	13	30	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

LABORATORY CONTROL SAMPLE & LCSD: 1647962			1647963							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Hexachlorobenzene	ug/L	50	36.6	38.1	73	76	49-116	4	30	
Hexachlorocyclopentadiene	ug/L	50	28.8	34.0	58	68	26-158	17	30	
Hexachloroethane	ug/L	50	29.9	33.5	60	67	30-114	11	30	
Indeno(1,2,3-cd)pyrene	ug/L	50	38.4	40.0	77	80	55-128	4	30	
Isophorone	ug/L	50	29.7	33.0	59	66	31-118	10	30	
N-Nitroso-di-n-propylamine	ug/L	50	27.7	31.0	55	62	32-119	11	30	
N-Nitrosodimethylamine	ug/L	50	18.1	19.3	36	39	13-120	6	30	
N-Nitrosodiphenylamine	ug/L	50	29.2	31.3	58	63	43-120	7	30	
Naphthalene	ug/L	50	32.1	36.1	64	72	32-120	12	30	
Nitrobenzene	ug/L	50	28.9	33.0	58	66	33-110	13	30	
Pentachlorophenol	ug/L	100	71.6	70.6	72	71	10-137	1	30	
Phenanthrene	ug/L	50	33.8	35.3	68	71	57-117	4	30	
Phenol	ug/L	50	13.3	14.0	27	28	10-120	5	30	
Pyrene	ug/L	50	34.9	35.2	70	70	55-122	1	30	
2,4,6-Tribromophenol (S)	%				69	71	27-110			
2-Fluorobiphenyl (S)	%				60	67	27-110			
2-Fluorophenol (S)	%				35	36	12-110			
Nitrobenzene-d5 (S)	%				59	65	21-110			
Phenol-d6 (S)	%				25	26	10-110			
Terphenyl-d14 (S)	%				68	67	31-107			

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALIFIERS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282944

---

### DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

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

TNI - The NELAC Institute.

### LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-C Pace Analytical Services - Charlotte

### ANALYTE QUALIFIERS

C9 Common Laboratory Contaminant.

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

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

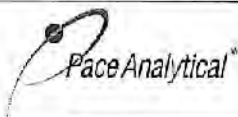
Project: Pilot Mtn Tire Fire


Pace Project No.: 92282944

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92282944001	SW-DEPOT-011316	EPA 3510	OEXT/40255	EPA 8015 Modified	GCSV/23826
92282944002	SW-UPSTREAM-011316	EPA 3510	OEXT/40255	EPA 8015 Modified	GCSV/23826
92282944003	SW-INTAKE-011317	EPA 3510	OEXT/40255	EPA 8015 Modified	GCSV/23826
92282944001	SW-DEPOT-011316	EPA 5030/8015 Mod.	GCV/10247		
92282944002	SW-UPSTREAM-011316	EPA 5030/8015 Mod.	GCV/10247		
92282944003	SW-INTAKE-011317	EPA 5030/8015 Mod.	GCV/10247		
92282944001	SW-DEPOT-011316	EPA 3010A	MPRP/20477	EPA 6010	ICP/18477
92282944002	SW-UPSTREAM-011316	EPA 3010A	MPRP/20477	EPA 6010	ICP/18477
92282944003	SW-INTAKE-011317	EPA 3010A	MPRP/20477	EPA 6010	ICP/18477
92282944001	SW-DEPOT-011316	EPA 7470	MERP/8867	EPA 7470	MERC/8517
92282944002	SW-UPSTREAM-011316	EPA 7470	MERP/8867	EPA 7470	MERC/8517
92282944003	SW-INTAKE-011317	EPA 7470	MERP/8867	EPA 7470	MERC/8517
92282944001	SW-DEPOT-011316	EPA 3510	OEXT/40252	EPA 8270	MSSV/11773
92282944002	SW-UPSTREAM-011316	EPA 3510	OEXT/40252	EPA 8270	MSSV/11773
92282944003	SW-INTAKE-011317	EPA 3510	OEXT/40252	EPA 8270	MSSV/11773
92282944001	SW-DEPOT-011316	EPA 8260	MSV/35179		
92282944002	SW-UPSTREAM-011316	EPA 8260	MSV/35179		
92282944003	SW-INTAKE-011317	EPA 8260	MSV/35179		
92282944004	Trip Blank	EPA 8260	MSV/35179		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

	Document Name: <b>Sample Condition Upon Receipt(SCUR)</b>	Document Revised: 26OCT2015 Page 1 of 2
	Document No.: <b>F-CHR-CS-003-rev.17</b>	Issuing Authority: Pace Huntersville Quality Office

<b>Sample Condition Upon Receipt</b>	Client Name: <u>Tetra Tech</u>	Project #: <b>WO# : 92282944</b>
		

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

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No

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

Thermometer Used: ☒ T1505

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

Cooler Temp Corrected (°C): 2.8

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C Correction Factor: 0.0 °C

Date and Initials of Person Examining Contents: AC 11/4/16

USDA Regulated Soil ( ☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

☐ Yes ☒ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist and include with SCUR/COC paperwork.

	Chain of Custody Present?	Chain of Custody Filled Out?	Chain of Custody Relinquished?	Sampler Name and/or Signature on COC?	Samples Arrived within Hold Time?	Short Hold Time Analysis (<72 hr)?	Rush Turn Around Time Requested?	Sufficient Volume?	Correct Containers Used?	-Pace Containers Used?	Containers Intact?	Filtered Volume Received for Dissolved Tests?	Sample Labels Match COC?	-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>	All containers needing acid/base preservation have been checked?	All containers needing preservation are found to be in compliance with EPA recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg	Samples checked for dechlorination	Headspace in VOA Vials (>5-6mm)?	Trip Blank Present?	Trip Blank Custody Seals Present?	Pace Trip Blank Lot # (if purchased):	COMMENTS:
1.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2.																						
3.																						
4.																						
5.																						
6.																						
7.																						
8.																						
9.																						
10.																						
11.																					Note if sediment is visible in the dissolved container	
12.																						
13.																						
14.																						
15.																						
16.																						

**CLIENT NOTIFICATION/RESOLUTION**

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/Resolution: \_\_\_\_\_

Field Data Required? ☐ Yes ☐ No

Project Manager SCUR Review: 10

Date: 1/14



# CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Tetra Tech	Report To:	Jessica Vickers	Attention:	J. Vickers
Address:	1955 Evergreen Blvd	Copy To:	John Smider@tetratech.com	Company Name:	Tetra Tech
Email To:	Duluth GA 30096	Purchase Order No.:		Address:	
Phone:	Jessica Vickers@tetratech.com	Project Name:	First Altair Fire	Pace Project Manager:	Alison Brown
Requested Due Date/TAT:	ASAP	Project Number:		Pace Profile #:	

Page: 1 of 1	1995640
REGULATORY AGENCY	
NPDES	GROUND WATER
UST	ROSA
OTHER	
Site Location	STATE: AL

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1	SW-DEPOT-011316	DW Water	WT	WT 6 11/3/16 1040	John Smider / ITA	11/3/16	1500	John Smider / ITA	11/4/16	9:30	Y	2.9	Y	N	Y
2	SW-UPSTREAM-011316	WW Waste Water	WT	WT 6 11/3/16 1100											
3	SW-INTAKE-011316	SP Soil/Solid	WT	WT 6 11/3/16 1135											
4	Top Blank	CL Oil	WT	WT 6 11/3/16 1135											
5		WP Wipe	WT	WT 6 11/3/16 1135											
6		AR Air	WT	WT 6 11/3/16 1135											
7		TS Tissue	WT	WT 6 11/3/16 1135											
8		OT Other	WT	WT 6 11/3/16 1135											
9			WT	WT 6 11/3/16 1135											
10			WT	WT 6 11/3/16 1135											
11			WT	WT 6 11/3/16 1135											
12			WT	WT 6 11/3/16 1135											

Section E Additional Comments		Section F Requested Analysis Filtered (Y/N)	
Additional Comments		Requested Analysis Filtered (Y/N)	
Residual Chlorine (Y/N)		Residual Chlorine (Y/N)	
Pace Project No. / Lab I.D.		Pace Project No. / Lab I.D.	

January 19, 2016

Jessica Vickers  
Tetra Tech  
950 South 4th Street  
Baldwyn, MS 38824

RE: Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282997

Dear Jessica Vickers:

Enclosed are the analytical results for sample(s) received by the laboratory on January 14, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,



Taylor Ezell  
taylor.ezell@pacelabs.com  
Project Manager

Enclosures

cc: John Snyder, Tetra Tech



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## CERTIFICATIONS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

---

### Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
West Virginia Certification #: 357  
Virginia/VELAP Certification #: 460221

---

### Asheville Certification IDs

2225 Riverside Drive, Asheville, NC 28804  
Florida/NELAP Certification #: E87648  
Massachusetts Certification #: M-NC030  
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40  
South Carolina Certification #: 99030001  
West Virginia Certification #: 356  
Virginia/VELAP Certification #: 460222

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## SAMPLE SUMMARY

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92282997001	SW-OUTFALL-011416	Water	01/14/16 08:45	01/14/16 12:00
92282997002	SW-DEPOT-011416	Water	01/14/16 09:05	01/14/16 12:00
92282997003	SW-UPSTREAM-011416	Water	01/14/16 09:20	01/14/16 12:00
92282997004	SW-INTAKE-011417	Water	01/14/16 09:40	01/14/16 12:00
92282997005	Trip Blank	Water	01/14/16 00:00	01/14/16 12:00

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## SAMPLE ANALYTE COUNT

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92282997001	SW-OUTFALL-011416	EPA 8015 Modified	BJL	2	PASI-C
		EPA 5030/8015 Mod.	ZDO	2	PASI-C
		EPA 6010	CDF	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C
92282997002	SW-DEPOT-011416	EPA 8015 Modified	BJL	2	PASI-C
		EPA 5030/8015 Mod.	ZDO	2	PASI-C
		EPA 6010	CDF	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C
92282997003	SW-UPSTREAM-011416	EPA 8015 Modified	BJL	2	PASI-C
		EPA 5030/8015 Mod.	ZDO	2	PASI-C
		EPA 6010	CDF	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C
92282997004	SW-INTAKE-011417	EPA 8015 Modified	BJL	2	PASI-C
		EPA 5030/8015 Mod.	ZDO	2	PASI-C
		EPA 6010	CDF	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C
92282997005	Trip Blank	EPA 8260	GAW	63	PASI-C

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## SUMMARY OF DETECTION

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92282997001</b>	<b>SW-OUTFALL-011416</b>					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	3.1	mg/L	0.50	01/15/16 13:19	
EPA 5030/8015 Mod.	Gas Range Organics (C6-C10)	0.059J	mg/L	0.080	01/19/16 11:50	B
EPA 6010	Arsenic	10.7	ug/L	10.0	01/15/16 14:10	
EPA 6010	Barium	236	ug/L	5.0	01/15/16 14:10	
EPA 6010	Cadmium	0.93J	ug/L	1.0	01/15/16 14:10	
EPA 6010	Chromium	26.9	ug/L	5.0	01/15/16 14:10	
EPA 6010	Lead	34.7	ug/L	5.0	01/15/16 15:18	
EPA 6010	Selenium	5.3J	ug/L	10.0	01/15/16 14:10	
EPA 8270	Aniline	30.8J	ug/L	100	01/15/16 12:37	
EPA 8270	Benzoic Acid	365J	ug/L	500	01/15/16 12:37	
EPA 8270	Benzyl alcohol	48.2J	ug/L	200	01/15/16 12:37	
EPA 8270	2-Methylphenol(o-Cresol)	29.7J	ug/L	100	01/15/16 12:37	
EPA 8270	3&4-Methylphenol(m&p Cresol)	25.3J	ug/L	100	01/15/16 12:37	
EPA 8270	Phenol	40.9J	ug/L	100	01/15/16 12:37	
EPA 8260	Acetone	70.6	ug/L	25.0	01/14/16 18:11	
EPA 8260	Benzene	3.2	ug/L	1.0	01/14/16 18:11	
EPA 8260	2-Butanone (MEK)	9.1	ug/L	5.0	01/14/16 18:11	
EPA 8260	Chloroform	0.92J	ug/L	1.0	01/14/16 18:11	
EPA 8260	Ethylbenzene	0.62J	ug/L	1.0	01/14/16 18:11	
EPA 8260	4-Methyl-2-pentanone (MIBK)	11.2	ug/L	5.0	01/14/16 18:11	
EPA 8260	Naphthalene	3.7	ug/L	1.0	01/14/16 18:11	
EPA 8260	Styrene	1.5	ug/L	1.0	01/14/16 18:11	
EPA 8260	Toluene	2.4	ug/L	1.0	01/14/16 18:11	
EPA 8260	Trichlorofluoromethane	1.0	ug/L	1.0	01/14/16 18:11	
EPA 8260	m&p-Xylene	1.4J	ug/L	2.0	01/14/16 18:11	
EPA 8260	o-Xylene	0.37J	ug/L	1.0	01/14/16 18:11	
<b>92282997002</b>	<b>SW-DEPOT-011416</b>					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	0.20J	mg/L	0.50	01/15/16 13:19	
EPA 6010	Barium	86.9	ug/L	5.0	01/15/16 14:19	
EPA 8270	Benzoic Acid	33.9J	ug/L	50.0	01/15/16 13:02	
EPA 8260	4-Methyl-2-pentanone (MIBK)	0.45J	ug/L	5.0	01/14/16 18:28	
EPA 8260	Trichloroethene	0.52J	ug/L	1.0	01/14/16 18:28	
<b>92282997003</b>	<b>SW-UPSTREAM-011416</b>					
EPA 6010	Barium	25.6	ug/L	5.0	01/15/16 14:22	
<b>92282997004</b>	<b>SW-INTAKE-011417</b>					
EPA 6010	Barium	26.1	ug/L	5.0	01/15/16 14:25	
<b>92282997005</b>	<b>Trip Blank</b>					
EPA 8260	Methylene Chloride	1.5J	ug/L	2.0	01/14/16 17:04	C9

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282997

---

**Method:** EPA 8015 Modified  
**Description:** 8015 GCS THC-Diesel  
**Client:** Tetra Tech EMI  
**Date:** January 19, 2016

**General Information:**

4 samples were analyzed for EPA 8015 Modified. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

---

**Method:** EPA 5030/8015 Mod.

**Description:** Gasoline Range Organics

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

### General Information:

4 samples were analyzed for EPA 5030/8015 Mod.. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: GCV/10252

B: Analyte was detected in the associated method blank.

- BLANK for HBN 297456 [GCV/1025 (Lab ID: 1649347)
- Gas Range Organics (C6-C10)

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

---

**Method:** EPA 6010

**Description:** 6010 MET ICP

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

**General Information:**

4 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

---

**Method:** EPA 7470

**Description:** 7470 Mercury

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

**General Information:**

4 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

**Method:** EPA 8270

**Description:** 8270 MSSV HVI Semivol Organic

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

### General Information:

4 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/40252

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- SW-OUTFALL-011416 (Lab ID: 92282997001)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)
  - Terphenyl-d14 (S)

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

---

**Method:** EPA 8270

**Description:** 8270 MSSV HVI Semivol Organic

**Client:** Tetra Tech EMI

**Date:** January 19, 2016

Analyte Comments:

QC Batch: OEXT/40252

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- SW-OUTFALL-011416 (Lab ID: 92282997001)
- Nitrobenzene-d5 (S)

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project: Pilot Mtn Tire Fire  
Pace Project No.: 92282997

---

**Method:** EPA 8260  
**Description:** 8260 MSV Low Level  
**Client:** Tetra Tech EMI  
**Date:** January 19, 2016

### General Information:

5 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/35179

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

- LCS (Lab ID: 1647549)
- Hexachloro-1,3-butadiene

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

Analyte Comments:

QC Batch: MSV/35179

C9: Common Laboratory Contaminant.

- Trip Blank (Lab ID: 92282997005)
- Methylene Chloride

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-OUTFALL-011416 Lab ID: 92282997001 Collected: 01/14/16 08:45 Received: 01/14/16 12:00 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	3.1	mg/L	0.50	0.10	1	01/15/16 09:30	01/15/16 13:19		
<b>Surrogates</b>									
n-Pentacosane (S)	57	%	48-110		1	01/15/16 09:30	01/15/16 13:19	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	0.059J	mg/L	0.080	0.016	1		01/19/16 11:50		B
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88	%	70-145		1		01/19/16 11:50	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	10.7	ug/L	10.0	5.0	1	01/15/16 09:05	01/15/16 14:10	7440-38-2	
Barium	236	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:10	7440-39-3	
Cadmium	0.93J	ug/L	1.0	0.50	1	01/15/16 09:05	01/15/16 14:10	7440-43-9	
Chromium	26.9	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:10	7440-47-3	
Lead	34.7	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 15:18	7439-92-1	
Selenium	5.3J	ug/L	10.0	5.0	1	01/15/16 09:05	01/15/16 14:10	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:10	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	01/15/16 09:45	01/15/16 13:43	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	100	16.8	10	01/15/16 08:50	01/15/16 12:37	83-32-9	
Acenaphthylene	ND	ug/L	100	17.9	10	01/15/16 08:50	01/15/16 12:37	208-96-8	
Aniline	30.8J	ug/L	100	12.9	10	01/15/16 08:50	01/15/16 12:37	62-53-3	
Anthracene	ND	ug/L	100	10.8	10	01/15/16 08:50	01/15/16 12:37	120-12-7	
Benzo(a)anthracene	ND	ug/L	100	7.2	10	01/15/16 08:50	01/15/16 12:37	56-55-3	
Benzo(a)pyrene	ND	ug/L	100	7.1	10	01/15/16 08:50	01/15/16 12:37	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	100	8.1	10	01/15/16 08:50	01/15/16 12:37	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	100	9.7	10	01/15/16 08:50	01/15/16 12:37	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	100	8.7	10	01/15/16 08:50	01/15/16 12:37	207-08-9	
Benzoic Acid	365J	ug/L	500	111	10	01/15/16 08:50	01/15/16 12:37	65-85-0	
Benzyl alcohol	48.2J	ug/L	200	34.0	10	01/15/16 08:50	01/15/16 12:37	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	100	13.2	10	01/15/16 08:50	01/15/16 12:37	101-55-3	
Butylbenzylphthalate	ND	ug/L	100	7.5	10	01/15/16 08:50	01/15/16 12:37	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	200	41.7	10	01/15/16 08:50	01/15/16 12:37	59-50-7	
4-Chloroaniline	ND	ug/L	200	33.9	10	01/15/16 08:50	01/15/16 12:37	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	100	16.8	10	01/15/16 08:50	01/15/16 12:37	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	100	14.7	10	01/15/16 08:50	01/15/16 12:37	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	100	16.2	10	01/15/16 08:50	01/15/16 12:37	108-60-1	
2-Chloronaphthalene	ND	ug/L	100	22.1	10	01/15/16 08:50	01/15/16 12:37	91-58-7	
2-Chlorophenol	ND	ug/L	100	14.6	10	01/15/16 08:50	01/15/16 12:37	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	100	20.9	10	01/15/16 08:50	01/15/16 12:37	7005-72-3	
Chrysene	ND	ug/L	100	6.5	10	01/15/16 08:50	01/15/16 12:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	100	7.0	10	01/15/16 08:50	01/15/16 12:37	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

**Sample: SW-OUTFALL-011416**      **Lab ID: 92282997001**      Collected: 01/14/16 08:45      Received: 01/14/16 12:00      Matrix: Water

Parameters	Results	Units	Report	MDL	DF	Prepared	Analyzed	CAS No.	Qual
			Limit						
8270 MSSV HVI Semivol Organic	Analytical Method: EPA 8270    Preparation Method: EPA 3510								
Dibenzofuran	ND	ug/L	100	17.7	10	01/15/16 08:50	01/15/16 12:37	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	100	11.8	10	01/15/16 08:50	01/15/16 12:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	100	10.9	10	01/15/16 08:50	01/15/16 12:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	100	12.3	10	01/15/16 08:50	01/15/16 12:37	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	200	14.2	10	01/15/16 08:50	01/15/16 12:37	91-94-1	
2,4-Dichlorophenol	ND	ug/L	100	16.6	10	01/15/16 08:50	01/15/16 12:37	120-83-2	
Diethylphthalate	ND	ug/L	100	13.3	10	01/15/16 08:50	01/15/16 12:37	84-66-2	
2,4-Dimethylphenol	ND	ug/L	100	21.9	10	01/15/16 08:50	01/15/16 12:37	105-67-9	
Dimethylphthalate	ND	ug/L	100	14.8	10	01/15/16 08:50	01/15/16 12:37	131-11-3	
Di-n-butylphthalate	ND	ug/L	100	10.6	10	01/15/16 08:50	01/15/16 12:37	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	200	16.6	10	01/15/16 08:50	01/15/16 12:37	534-52-1	
2,4-Dinitrophenol	ND	ug/L	500	65.3	10	01/15/16 08:50	01/15/16 12:37	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	100	11.9	10	01/15/16 08:50	01/15/16 12:37	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	100	16.8	10	01/15/16 08:50	01/15/16 12:37	606-20-2	
Di-n-octylphthalate	ND	ug/L	100	8.6	10	01/15/16 08:50	01/15/16 12:37	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	60.0	8.5	10	01/15/16 08:50	01/15/16 12:37	117-81-7	
Fluoranthene	ND	ug/L	100	8.7	10	01/15/16 08:50	01/15/16 12:37	206-44-0	
Fluorene	ND	ug/L	100	15.6	10	01/15/16 08:50	01/15/16 12:37	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	100	18.4	10	01/15/16 08:50	01/15/16 12:37	87-68-3	
Hexachlorobenzene	ND	ug/L	100	11.4	10	01/15/16 08:50	01/15/16 12:37	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	100	17.5	10	01/15/16 08:50	01/15/16 12:37	77-47-4	
Hexachloroethane	ND	ug/L	100	14.6	10	01/15/16 08:50	01/15/16 12:37	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	100	18.0	10	01/15/16 08:50	01/15/16 12:37	193-39-5	
Isophorone	ND	ug/L	100	17.7	10	01/15/16 08:50	01/15/16 12:37	78-59-1	
1-Methylnaphthalene	ND	ug/L	100	18.0	10	01/15/16 08:50	01/15/16 12:37	90-12-0	
2-Methylnaphthalene	ND	ug/L	100	16.6	10	01/15/16 08:50	01/15/16 12:37	91-57-6	
2-Methylphenol(o-Cresol)	29.7J	ug/L	100	17.4	10	01/15/16 08:50	01/15/16 12:37	95-48-7	
3&4-Methylphenol(m&p Cresol)	25.3J	ug/L	100	17.2	10	01/15/16 08:50	01/15/16 12:37		
Naphthalene	ND	ug/L	100	15.3	10	01/15/16 08:50	01/15/16 12:37	91-20-3	
2-Nitroaniline	ND	ug/L	500	28.2	10	01/15/16 08:50	01/15/16 12:37	88-74-4	
3-Nitroaniline	ND	ug/L	500	24.2	10	01/15/16 08:50	01/15/16 12:37	99-09-2	
4-Nitroaniline	ND	ug/L	200	25.4	10	01/15/16 08:50	01/15/16 12:37	100-01-6	
Nitrobenzene	ND	ug/L	100	16.6	10	01/15/16 08:50	01/15/16 12:37	98-95-3	
2-Nitrophenol	ND	ug/L	100	16.5	10	01/15/16 08:50	01/15/16 12:37	88-75-5	
4-Nitrophenol	ND	ug/L	500	57.9	10	01/15/16 08:50	01/15/16 12:37	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	100	12.6	10	01/15/16 08:50	01/15/16 12:37	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	100	20.7	10	01/15/16 08:50	01/15/16 12:37	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	100	13.2	10	01/15/16 08:50	01/15/16 12:37	86-30-6	
Pentachlorophenol	ND	ug/L	250	23.2	10	01/15/16 08:50	01/15/16 12:37	87-86-5	
Phenanthrene	ND	ug/L	100	10.3	10	01/15/16 08:50	01/15/16 12:37	85-01-8	
Phenol	40.9J	ug/L	100	16.8	10	01/15/16 08:50	01/15/16 12:37	108-95-2	
Pyrene	ND	ug/L	100	5.3	10	01/15/16 08:50	01/15/16 12:37	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	100	19.0	10	01/15/16 08:50	01/15/16 12:37	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	100	22.5	10	01/15/16 08:50	01/15/16 12:37	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	18.9	10	01/15/16 08:50	01/15/16 12:37	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

**Sample: SW-OUTFALL-011416**      **Lab ID: 92282997001**      Collected: 01/14/16 08:45      Received: 01/14/16 12:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	0	%	21-110		10	01/15/16 08:50	01/15/16 12:37	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	27-110		10	01/15/16 08:50	01/15/16 12:37	321-60-8	S4
Terphenyl-d14 (S)	0	%	31-107		10	01/15/16 08:50	01/15/16 12:37	1718-51-0	S4
Phenol-d6 (S)	0	%	10-110		10	01/15/16 08:50	01/15/16 12:37	13127-88-3	S4
2-Fluorophenol (S)	0	%	12-110		10	01/15/16 08:50	01/15/16 12:37	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	27-110		10	01/15/16 08:50	01/15/16 12:37	118-79-6	S4

### 8260 MSV Low Level

Analytical Method: EPA 8260

Acetone	<b>70.6</b>	ug/L	25.0	10.0	1		01/14/16 18:11	67-64-1	
Benzene	<b>3.2</b>	ug/L	1.0	0.25	1		01/14/16 18:11	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:11	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 18:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 18:11	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 18:11	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 18:11	74-83-9	
2-Butanone (MEK)	<b>9.1</b>	ug/L	5.0	0.96	1		01/14/16 18:11	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 18:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 18:11	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 18:11	75-00-3	
Chloroform	<b>0.92J</b>	ug/L	1.0	0.14	1		01/14/16 18:11	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 18:11	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 18:11	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 18:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 18:11	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 18:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 18:11	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 18:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 18:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 18:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 18:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 18:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 18:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 18:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 18:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 18:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 18:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 18:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 18:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 18:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 18:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 18:11	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 18:11	108-20-3	
Ethylbenzene	<b>0.62J</b>	ug/L	1.0	0.30	1		01/14/16 18:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 18:11	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-OUTFALL-011416 Lab ID: 92282997001 Collected: 01/14/16 08:45 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 18:11	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 18:11	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 18:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	11.2	ug/L	5.0	0.33	1		01/14/16 18:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 18:11	1634-04-4	
Naphthalene	3.7	ug/L	1.0	0.24	1		01/14/16 18:11	91-20-3	
Styrene	1.5	ug/L	1.0	0.26	1		01/14/16 18:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 18:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 18:11	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 18:11	127-18-4	
Toluene	2.4	ug/L	1.0	0.26	1		01/14/16 18:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 18:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 18:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 18:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 18:11	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 18:11	79-01-6	
Trichlorofluoromethane	1.0	ug/L	1.0	0.20	1		01/14/16 18:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 18:11	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 18:11	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 18:11	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 18:11	1330-20-7	
m&p-Xylene	1.4J	ug/L	2.0	0.66	1		01/14/16 18:11	179601-23-1	
o-Xylene	0.37J	ug/L	1.0	0.23	1		01/14/16 18:11	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/14/16 18:11	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		01/14/16 18:11	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/14/16 18:11	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-DEPOT-011416		Lab ID: 92282997002		Collected: 01/14/16 09:05		Received: 01/14/16 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	0.20J	mg/L	0.50	0.10	1	01/15/16 09:30	01/15/16 13:19		
<b>Surrogates</b>									
n-Pentacosane (S)	98	%	48-110		1	01/15/16 09:30	01/15/16 13:19	629-99-2	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	ND	mg/L	0.080	0.016	1		01/15/16 17:59		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-145		1		01/15/16 17:59	460-00-4	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0	5.0	1	01/15/16 09:05	01/15/16 14:19	7440-38-2	
Barium	86.9	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:19	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	01/15/16 09:05	01/15/16 14:19	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:19	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 15:27	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/15/16 09:05	01/15/16 14:19	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:19	7440-22-4	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	01/15/16 09:45	01/15/16 13:46	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:02	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:02	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:02	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/15/16 08:50	01/15/16 13:02	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/15/16 08:50	01/15/16 13:02	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/15/16 08:50	01/15/16 13:02	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/15/16 08:50	01/15/16 13:02	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 13:02	207-08-9	
Benzoic Acid	33.9J	ug/L	50.0	11.1	1	01/15/16 08:50	01/15/16 13:02	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 13:02	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:02	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/15/16 08:50	01/15/16 13:02	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/15/16 08:50	01/15/16 13:02	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 13:02	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:02	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 13:02	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:02	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:02	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 13:02	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/15/16 08:50	01/15/16 13:02	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/15/16 08:50	01/15/16 13:02	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

**Sample: SW-DEPOT-011416**      **Lab ID: 92282997002**      Collected: 01/14/16 09:05      Received: 01/14/16 12:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:02	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:02	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/15/16 08:50	01/15/16 13:02	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:02	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:02	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:02	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:02	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/15/16 08:50	01/15/16 13:02	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/15/16 08:50	01/15/16 13:02	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:02	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/15/16 08:50	01/15/16 13:02	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/15/16 08:50	01/15/16 13:02	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 13:02	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 13:02	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:02	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:02	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:02	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:02	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:02	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:02	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:02	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02		
Naphthalene	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:02	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/15/16 08:50	01/15/16 13:02	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/15/16 08:50	01/15/16 13:02	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/15/16 08:50	01/15/16 13:02	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/15/16 08:50	01/15/16 13:02	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:02	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 13:02	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:02	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/15/16 08:50	01/15/16 13:02	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/15/16 08:50	01/15/16 13:02	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:02	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/15/16 08:50	01/15/16 13:02	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 13:02	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:02	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 13:02	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

**Sample: SW-DEPOT-011416**      **Lab ID: 92282997002**      Collected: 01/14/16 09:05      Received: 01/14/16 12:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	61	%	21-110		1	01/15/16 08:50	01/15/16 13:02	4165-60-0	
2-Fluorobiphenyl (S)	65	%	27-110		1	01/15/16 08:50	01/15/16 13:02	321-60-8	
Terphenyl-d14 (S)	58	%	31-107		1	01/15/16 08:50	01/15/16 13:02	1718-51-0	
Phenol-d6 (S)	19	%	10-110		1	01/15/16 08:50	01/15/16 13:02	13127-88-3	
2-Fluorophenol (S)	29	%	12-110		1	01/15/16 08:50	01/15/16 13:02	367-12-4	
2,4,6-Tribromophenol (S)	59	%	27-110		1	01/15/16 08:50	01/15/16 13:02	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 18:28	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 18:28	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:28	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 18:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 18:28	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 18:28	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 18:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 18:28	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 18:28	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 18:28	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 18:28	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 18:28	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 18:28	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 18:28	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 18:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 18:28	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 18:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 18:28	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 18:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 18:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 18:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 18:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 18:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 18:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 18:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 18:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 18:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 18:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 18:28	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 18:28	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 18:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 18:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 18:28	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 18:28	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 18:28	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-DEPOT-011416 Lab ID: 92282997002 Collected: 01/14/16 09:05 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 18:28	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 18:28	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 18:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>0.45J</b>	ug/L	5.0	0.33	1		01/14/16 18:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 18:28	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 18:28	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 18:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 18:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 18:28	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 18:28	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 18:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 18:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 18:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 18:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 18:28	79-00-5	
Trichloroethene	<b>0.52J</b>	ug/L	1.0	0.47	1		01/14/16 18:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 18:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 18:28	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 18:28	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 18:28	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 18:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 18:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 18:28	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		01/14/16 18:28	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/14/16 18:28	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/14/16 18:28	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-UPSTREAM-011416 Lab ID: 92282997003 Collected: 01/14/16 09:20 Received: 01/14/16 12:00 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50	0.10	1	01/15/16 09:30	01/15/16 13:43		
<b>Surrogates</b>									
n-Pentacosane (S)	81	%	48-110		1	01/15/16 09:30	01/15/16 13:43	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	ND	mg/L	0.080	0.016	1		01/15/16 18:22		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-145		1		01/15/16 18:22	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0	5.0	1	01/15/16 09:05	01/15/16 14:22	7440-38-2	
Barium	25.6	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:22	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	01/15/16 09:05	01/15/16 14:22	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:22	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 15:30	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/15/16 09:05	01/15/16 14:22	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:22	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	01/15/16 09:45	01/15/16 13:48	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:27	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:27	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:27	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/15/16 08:50	01/15/16 13:27	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/15/16 08:50	01/15/16 13:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/15/16 08:50	01/15/16 13:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/15/16 08:50	01/15/16 13:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 13:27	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.1	1	01/15/16 08:50	01/15/16 13:27	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 13:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:27	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/15/16 08:50	01/15/16 13:27	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/15/16 08:50	01/15/16 13:27	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 13:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:27	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 13:27	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:27	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 13:27	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/15/16 08:50	01/15/16 13:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/15/16 08:50	01/15/16 13:27	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

**Sample: SW-UPSTREAM-011416**    **Lab ID: 92282997003**    Collected: 01/14/16 09:20    Received: 01/14/16 12:00    Matrix: Water

Parameters	Results	Units	Report	MDL	DF	Prepared	Analyzed	CAS No.	Qual
			Limit						
8270 MSSV HVI Semivol Organic	Analytical Method: EPA 8270   Preparation Method: EPA 3510								
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:27	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:27	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/15/16 08:50	01/15/16 13:27	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:27	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:27	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:27	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/15/16 08:50	01/15/16 13:27	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/15/16 08:50	01/15/16 13:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/15/16 08:50	01/15/16 13:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/15/16 08:50	01/15/16 13:27	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 13:27	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 13:27	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:27	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:27	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:27	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:27	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:27	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:27	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27		
Naphthalene	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:27	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/15/16 08:50	01/15/16 13:27	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/15/16 08:50	01/15/16 13:27	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/15/16 08:50	01/15/16 13:27	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/15/16 08:50	01/15/16 13:27	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:27	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 13:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:27	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/15/16 08:50	01/15/16 13:27	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/15/16 08:50	01/15/16 13:27	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:27	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/15/16 08:50	01/15/16 13:27	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 13:27	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 13:27	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-UPSTREAM-011416 Lab ID: 92282997003 Collected: 01/14/16 09:20 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	69	%	21-110		1	01/15/16 08:50	01/15/16 13:27	4165-60-0	
2-Fluorobiphenyl (S)	76	%	27-110		1	01/15/16 08:50	01/15/16 13:27	321-60-8	
Terphenyl-d14 (S)	75	%	31-107		1	01/15/16 08:50	01/15/16 13:27	1718-51-0	
Phenol-d6 (S)	28	%	10-110		1	01/15/16 08:50	01/15/16 13:27	13127-88-3	
2-Fluorophenol (S)	36	%	12-110		1	01/15/16 08:50	01/15/16 13:27	367-12-4	
2,4,6-Tribromophenol (S)	61	%	27-110		1	01/15/16 08:50	01/15/16 13:27	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 18:44	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 18:44	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:44	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 18:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 18:44	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 18:44	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 18:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 18:44	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 18:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 18:44	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 18:44	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 18:44	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 18:44	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 18:44	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 18:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 18:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 18:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 18:44	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 18:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 18:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 18:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 18:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 18:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 18:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 18:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 18:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 18:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 18:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 18:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 18:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 18:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 18:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 18:44	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 18:44	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 18:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 18:44	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-UPSTREAM-011416 Lab ID: 92282997003 Collected: 01/14/16 09:20 Received: 01/14/16 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 18:44	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 18:44	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 18:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 18:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 18:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 18:44	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 18:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 18:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 18:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 18:44	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 18:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 18:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 18:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 18:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 18:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 18:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 18:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 18:44	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 18:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 18:44	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 18:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 18:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 18:44	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		01/14/16 18:44	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/14/16 18:44	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/14/16 18:44	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-INTAKE-011417      Lab ID: 92282997004      Collected: 01/14/16 09:40      Received: 01/14/16 12:00      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified      Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50	0.10	1	01/15/16 09:30	01/15/16 13:43		
<b>Surrogates</b>									
n-Pentacosane (S)	86	%	48-110		1	01/15/16 09:30	01/15/16 13:43	629-99-2	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	ND	mg/L	0.080	0.016	1		01/15/16 18:45		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-145		1		01/15/16 18:45	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3010A									
Arsenic	ND	ug/L	10.0	5.0	1	01/15/16 09:05	01/15/16 14:25	7440-38-2	
Barium	26.1	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:25	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	01/15/16 09:05	01/15/16 14:25	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:25	7440-47-3	
Lead	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 15:33	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	01/15/16 09:05	01/15/16 14:25	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	01/15/16 09:05	01/15/16 14:25	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470      Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	01/15/16 09:45	01/15/16 13:55	7439-97-6	
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:52	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:52	62-53-3	
Anthracene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:52	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.72	1	01/15/16 08:50	01/15/16 13:52	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.71	1	01/15/16 08:50	01/15/16 13:52	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.81	1	01/15/16 08:50	01/15/16 13:52	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.97	1	01/15/16 08:50	01/15/16 13:52	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 13:52	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.1	1	01/15/16 08:50	01/15/16 13:52	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 13:52	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:52	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.75	1	01/15/16 08:50	01/15/16 13:52	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	4.2	1	01/15/16 08:50	01/15/16 13:52	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	3.4	1	01/15/16 08:50	01/15/16 13:52	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:52	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 13:52	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:52	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:52	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 13:52	7005-72-3	
Chrysene	ND	ug/L	10.0	0.65	1	01/15/16 08:50	01/15/16 13:52	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.70	1	01/15/16 08:50	01/15/16 13:52	53-70-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

**Sample: SW-INTAKE-011417**      **Lab ID: 92282997004**      Collected: 01/14/16 09:40      Received: 01/14/16 12:00      Matrix: Water

Parameters	Results	Units	Report	MDL	DF	Prepared	Analyzed	CAS No.	Qual
			Limit						
8270 MSSV HVI Semivol Organic	Analytical Method: EPA 8270   Preparation Method: EPA 3510								
Dibenzofuran	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:52	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:52	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	01/15/16 08:50	01/15/16 13:52	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:52	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:52	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:52	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:52	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	01/15/16 08:50	01/15/16 13:52	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	01/15/16 08:50	01/15/16 13:52	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	01/15/16 08:50	01/15/16 13:52	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	01/15/16 08:50	01/15/16 13:52	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	01/15/16 08:50	01/15/16 13:52	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.87	1	01/15/16 08:50	01/15/16 13:52	206-44-0	
Fluorene	ND	ug/L	10.0	1.6	1	01/15/16 08:50	01/15/16 13:52	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:52	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	01/15/16 08:50	01/15/16 13:52	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:52	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:52	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:52	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:52	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	1.8	1	01/15/16 08:50	01/15/16 13:52	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52		
Naphthalene	ND	ug/L	10.0	1.5	1	01/15/16 08:50	01/15/16 13:52	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	01/15/16 08:50	01/15/16 13:52	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	01/15/16 08:50	01/15/16 13:52	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	01/15/16 08:50	01/15/16 13:52	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	01/15/16 08:50	01/15/16 13:52	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:52	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	01/15/16 08:50	01/15/16 13:52	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	01/15/16 08:50	01/15/16 13:52	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	01/15/16 08:50	01/15/16 13:52	87-86-5	
Phenanthrene	ND	ug/L	10.0	1.0	1	01/15/16 08:50	01/15/16 13:52	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	01/15/16 08:50	01/15/16 13:52	108-95-2	
Pyrene	ND	ug/L	10.0	0.53	1	01/15/16 08:50	01/15/16 13:52	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 13:52	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	01/15/16 08:50	01/15/16 13:52	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	01/15/16 08:50	01/15/16 13:52	88-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

**Sample: SW-INTAKE-011417**      **Lab ID: 92282997004**      Collected: 01/14/16 09:40      Received: 01/14/16 12:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	62	%	21-110		1	01/15/16 08:50	01/15/16 13:52	4165-60-0	
2-Fluorobiphenyl (S)	72	%	27-110		1	01/15/16 08:50	01/15/16 13:52	321-60-8	
Terphenyl-d14 (S)	54	%	31-107		1	01/15/16 08:50	01/15/16 13:52	1718-51-0	
Phenol-d6 (S)	21	%	10-110		1	01/15/16 08:50	01/15/16 13:52	13127-88-3	
2-Fluorophenol (S)	29	%	12-110		1	01/15/16 08:50	01/15/16 13:52	367-12-4	
2,4,6-Tribromophenol (S)	54	%	27-110		1	01/15/16 08:50	01/15/16 13:52	118-79-6	
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 19:01	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 19:01	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 19:01	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 19:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 19:01	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 19:01	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 19:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 19:01	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 19:01	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 19:01	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 19:01	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 19:01	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 19:01	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 19:01	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 19:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 19:01	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 19:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 19:01	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 19:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 19:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 19:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 19:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 19:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 19:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 19:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 19:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 19:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 19:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 19:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 19:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 19:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 19:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 19:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 19:01	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 19:01	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 19:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 19:01	87-68-3	L3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: SW-INTAKE-011417		Lab ID: 92282997004		Collected: 01/14/16 09:40		Received: 01/14/16 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 19:01	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 19:01	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/16 19:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 19:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 19:01	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 19:01	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 19:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 19:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 19:01	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 19:01	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 19:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 19:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 19:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 19:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 19:01	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 19:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 19:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 19:01	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 19:01	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 19:01	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 19:01	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 19:01	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 19:01	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/14/16 19:01	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		01/14/16 19:01	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		01/14/16 19:01	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: Trip Blank		Lab ID: 92282997005		Collected: 01/14/16 00:00		Received: 01/14/16 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	10.0	1		01/14/16 17:04	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		01/14/16 17:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/16 17:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/16 17:04	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/16 17:04	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/16 17:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		01/14/16 17:04	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/16 17:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/16 17:04	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/16 17:04	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/16 17:04	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/16 17:04	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/16 17:04	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		01/14/16 17:04	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/16 17:04	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/16 17:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/16 17:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/16 17:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/16 17:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		01/14/16 17:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/16 17:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/16 17:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/16 17:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/16 17:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/16 17:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/16 17:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/16 17:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		01/14/16 17:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		01/14/16 17:04	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		01/14/16 17:04	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/16 17:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/16 17:04	87-68-3	L3
2-Hexanone	ND	ug/L	5.0	0.46	1		01/14/16 17:04	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/16 17:04	99-87-6	
Methylene Chloride	1.5J	ug/L	2.0	0.97	1		01/14/16 17:04	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		01/14/16 17:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		01/14/16 17:04	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/16 17:04	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		01/14/16 17:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/16 17:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/16 17:04	79-34-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

Sample: Trip Blank		Lab ID: 92282997005		Collected: 01/14/16 00:00		Received: 01/14/16 12:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/16 17:04	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/16 17:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/16 17:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/16 17:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/16 17:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/16 17:04	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/16 17:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/16 17:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/16 17:04	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		01/14/16 17:04	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/16 17:04	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		01/14/16 17:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/16 17:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/16 17:04	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/14/16 17:04	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		01/14/16 17:04	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/14/16 17:04	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

QC Batch: GCV/10247

Analysis Method: EPA 5030/8015 Mod.

QC Batch Method: EPA 5030/8015 Mod.

Analysis Description: Gasoline Range Organics

Associated Lab Samples: 92282997002, 92282997003, 92282997004

METHOD BLANK: 1646393

Matrix: Water

Associated Lab Samples: 92282997002, 92282997003, 92282997004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	0.080	0.016	01/15/16 14:15	
4-Bromofluorobenzene (S)	%	101	70-145		01/15/16 14:15	

LABORATORY CONTROL SAMPLE & LCSD: 1646394

1646395

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gas Range Organics (C6-C10)	mg/L	1	1.1	1.1	113	112	70-150	1	30	
4-Bromofluorobenzene (S)	%				104	103	70-145			

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

QC Batch: GCV/10252

Analysis Method: EPA 5030/8015 Mod.

QC Batch Method: EPA 5030/8015 Mod.

Analysis Description: Gasoline Range Organics

Associated Lab Samples: 92282997001

METHOD BLANK: 1649347

Matrix: Water

Associated Lab Samples: 92282997001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Gas Range Organics (C6-C10)	mg/L	0.039J	0.080	0.016	01/19/16 11:27	
4-Bromofluorobenzene (S)	%	93	70-145		01/19/16 11:27	

LABORATORY CONTROL SAMPLE & LCSD: 1649348

1649349

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gas Range Organics (C6-C10)	mg/L	1	1.1	1.1	110	109	70-150	0	30	
4-Bromofluorobenzene (S)	%				93	94	70-145			

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

QC Batch: MERP/8867

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Associated Lab Samples: 92282997001, 92282997002, 92282997003, 92282997004

METHOD BLANK: 1647947

Matrix: Water

Associated Lab Samples: 92282997001, 92282997002, 92282997003, 92282997004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.10	01/15/16 13:27	

LABORATORY CONTROL SAMPLE: 1647948

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.7	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1647949 1647950

Parameter	Units	92282944001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.6	2.6	104	103	75-125	0	25	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

QC Batch: MPRP/20481 Analysis Method: EPA 6010  
QC Batch Method: EPA 3010A Analysis Description: 6010 MET  
Associated Lab Samples: 92282997001, 92282997002, 92282997003, 92282997004

METHOD BLANK: 1647951 Matrix: Water  
Associated Lab Samples: 92282997001, 92282997002, 92282997003, 92282997004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	5.0	01/15/16 14:04	
Barium	ug/L	ND	5.0	2.5	01/15/16 14:04	
Cadmium	ug/L	ND	1.0	0.50	01/15/16 14:04	
Chromium	ug/L	ND	5.0	2.5	01/15/16 15:12	
Lead	ug/L	ND	5.0	2.5	01/15/16 15:12	
Selenium	ug/L	ND	10.0	5.0	01/15/16 14:04	
Silver	ug/L	ND	5.0	2.5	01/15/16 14:04	

LABORATORY CONTROL SAMPLE: 1647952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	459	92	80-120	
Barium	ug/L	500	482	96	80-120	
Cadmium	ug/L	500	489	98	80-120	
Chromium	ug/L	500	496	99	80-120	
Lead	ug/L	500	513	103	80-120	
Selenium	ug/L	500	475	95	80-120	
Silver	ug/L	250	241	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1647953 1647954

Parameter	Units	92282997001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	10.7	500	500	492	484	96	95	75-125	2	20	
Barium	ug/L	236	500	500	759	766	104	106	75-125	1	20	
Cadmium	ug/L	0.93J	500	500	516	507	103	101	75-125	2	20	
Chromium	ug/L	26.9	500	500	552	547	105	104	75-125	1	20	
Lead	ug/L	34.7	500	500	543	555	102	104	75-125	2	20	
Selenium	ug/L	5.3J	500	500	486	476	96	94	75-125	2	20	
Silver	ug/L	ND	250	250	250	245	100	98	75-125	2	20	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

QC Batch: MSV/35179

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92282997001, 92282997002, 92282997003, 92282997004, 92282997005

METHOD BLANK: 1647548

Matrix: Water

Associated Lab Samples: 92282997001, 92282997002, 92282997003, 92282997004, 92282997005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.33	01/14/16 16:31	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.48	01/14/16 16:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.40	01/14/16 16:31	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.29	01/14/16 16:31	
1,1-Dichloroethane	ug/L	ND	1.0	0.32	01/14/16 16:31	
1,1-Dichloroethene	ug/L	ND	1.0	0.56	01/14/16 16:31	
1,1-Dichloropropene	ug/L	ND	1.0	0.49	01/14/16 16:31	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.33	01/14/16 16:31	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.41	01/14/16 16:31	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.35	01/14/16 16:31	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	2.0	01/14/16 16:31	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	01/14/16 16:31	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.30	01/14/16 16:31	
1,2-Dichloroethane	ug/L	ND	1.0	0.24	01/14/16 16:31	
1,2-Dichloropropane	ug/L	ND	1.0	0.27	01/14/16 16:31	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.24	01/14/16 16:31	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	01/14/16 16:31	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	01/14/16 16:31	
2,2-Dichloropropane	ug/L	ND	1.0	0.13	01/14/16 16:31	
2-Butanone (MEK)	ug/L	ND	5.0	0.96	01/14/16 16:31	
2-Chlorotoluene	ug/L	ND	1.0	0.35	01/14/16 16:31	
2-Hexanone	ug/L	ND	5.0	0.46	01/14/16 16:31	
4-Chlorotoluene	ug/L	ND	1.0	0.31	01/14/16 16:31	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	0.33	01/14/16 16:31	
Acetone	ug/L	ND	25.0	10.0	01/14/16 16:31	
Benzene	ug/L	ND	1.0	0.25	01/14/16 16:31	
Bromobenzene	ug/L	ND	1.0	0.30	01/14/16 16:31	
Bromochloromethane	ug/L	ND	1.0	0.17	01/14/16 16:31	
Bromodichloromethane	ug/L	ND	1.0	0.18	01/14/16 16:31	
Bromoform	ug/L	ND	1.0	0.26	01/14/16 16:31	
Bromomethane	ug/L	ND	2.0	0.29	01/14/16 16:31	
Carbon tetrachloride	ug/L	ND	1.0	0.25	01/14/16 16:31	
Chlorobenzene	ug/L	ND	1.0	0.23	01/14/16 16:31	
Chloroethane	ug/L	ND	1.0	0.54	01/14/16 16:31	
Chloroform	ug/L	ND	1.0	0.14	01/14/16 16:31	
Chloromethane	ug/L	ND	1.0	0.11	01/14/16 16:31	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.19	01/14/16 16:31	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.13	01/14/16 16:31	
Dibromochloromethane	ug/L	ND	1.0	0.21	01/14/16 16:31	
Dibromomethane	ug/L	ND	1.0	0.21	01/14/16 16:31	
Dichlorodifluoromethane	ug/L	ND	1.0	0.21	01/14/16 16:31	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

METHOD BLANK: 1647548

Matrix: Water

Associated Lab Samples: 92282997001, 92282997002, 92282997003, 92282997004, 92282997005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	0.12	01/14/16 16:31	
Ethylbenzene	ug/L	ND	1.0	0.30	01/14/16 16:31	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	0.71	01/14/16 16:31	
m&p-Xylene	ug/L	ND	2.0	0.66	01/14/16 16:31	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.21	01/14/16 16:31	
Methylene Chloride	ug/L	ND	2.0	0.97	01/14/16 16:31	
Naphthalene	ug/L	ND	1.0	0.24	01/14/16 16:31	
o-Xylene	ug/L	ND	1.0	0.23	01/14/16 16:31	
p-Isopropyltoluene	ug/L	ND	1.0	0.31	01/14/16 16:31	
Styrene	ug/L	ND	1.0	0.26	01/14/16 16:31	
Tetrachloroethene	ug/L	ND	1.0	0.46	01/14/16 16:31	
Toluene	ug/L	ND	1.0	0.26	01/14/16 16:31	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.49	01/14/16 16:31	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.26	01/14/16 16:31	
Trichloroethene	ug/L	ND	1.0	0.47	01/14/16 16:31	
Trichlorofluoromethane	ug/L	ND	1.0	0.20	01/14/16 16:31	
Vinyl acetate	ug/L	ND	2.0	0.35	01/14/16 16:31	
Vinyl chloride	ug/L	ND	1.0	0.62	01/14/16 16:31	
Xylene (Total)	ug/L	ND	2.0	0.66	01/14/16 16:31	
1,2-Dichloroethane-d4 (S)	%	98	70-130		01/14/16 16:31	
4-Bromofluorobenzene (S)	%	102	70-130		01/14/16 16:31	
Toluene-d8 (S)	%	101	70-130		01/14/16 16:31	

LABORATORY CONTROL SAMPLE: 1647549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.7	109	70-130	
1,1,1-Trichloroethane	ug/L	50	53.9	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.8	106	70-130	
1,1,2-Trichloroethane	ug/L	50	49.8	100	70-130	
1,1-Dichloroethane	ug/L	50	53.5	107	70-130	
1,1-Dichloroethene	ug/L	50	54.0	108	70-132	
1,1-Dichloropropene	ug/L	50	55.3	111	70-130	
1,2,3-Trichlorobenzene	ug/L	50	50.5	101	70-135	
1,2,3-Trichloropropane	ug/L	50	52.2	104	70-130	
1,2,4-Trichlorobenzene	ug/L	50	52.7	105	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	54.9	110	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	56.5	113	70-130	
1,2-Dichlorobenzene	ug/L	50	51.7	103	70-130	
1,2-Dichloroethane	ug/L	50	45.9	92	70-130	
1,2-Dichloropropane	ug/L	50	52.7	105	70-130	
1,3-Dichlorobenzene	ug/L	50	52.8	106	70-130	
1,3-Dichloropropane	ug/L	50	53.1	106	70-130	
1,4-Dichlorobenzene	ug/L	50	51.5	103	70-130	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

LABORATORY CONTROL SAMPLE: 1647549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	59.9	120	58-145	
2-Butanone (MEK)	ug/L	100	105	105	70-145	
2-Chlorotoluene	ug/L	50	53.6	107	70-130	
2-Hexanone	ug/L	100	103	103	70-144	
4-Chlorotoluene	ug/L	50	53.7	107	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	110	110	70-140	
Acetone	ug/L	100	99.5	100	50-175	
Benzene	ug/L	50	53.5	107	70-130	
Bromobenzene	ug/L	50	54.2	108	70-130	
Bromochloromethane	ug/L	50	52.1	104	70-130	
Bromodichloromethane	ug/L	50	54.6	109	70-130	
Bromoform	ug/L	50	43.5	87	70-130	
Bromomethane	ug/L	50	57.8	116	54-130	
Carbon tetrachloride	ug/L	50	56.0	112	70-132	
Chlorobenzene	ug/L	50	50.7	101	70-130	
Chloroethane	ug/L	50	48.9	98	64-134	
Chloroform	ug/L	50	50.6	101	70-130	
Chloromethane	ug/L	50	58.9	118	64-130	
cis-1,2-Dichloroethene	ug/L	50	52.4	105	70-131	
cis-1,3-Dichloropropene	ug/L	50	58.1	116	70-130	
Dibromochloromethane	ug/L	50	47.7	95	70-130	
Dibromomethane	ug/L	50	50.4	101	70-131	
Dichlorodifluoromethane	ug/L	50	57.8	116	56-130	
Diisopropyl ether	ug/L	50	53.8	108	70-130	
Ethylbenzene	ug/L	50	53.2	106	70-130	
Hexachloro-1,3-butadiene	ug/L	50	69.4	139	70-130	LO
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	55.3	111	70-130	
Methylene Chloride	ug/L	50	50.8	102	63-130	
Naphthalene	ug/L	50	50.5	101	70-138	
o-Xylene	ug/L	50	54.8	110	70-130	
p-Isopropyltoluene	ug/L	50	56.8	114	70-130	
Styrene	ug/L	50	57.2	114	70-130	
Tetrachloroethene	ug/L	50	49.4	99	70-130	
Toluene	ug/L	50	52.6	105	70-130	
trans-1,2-Dichloroethene	ug/L	50	53.3	107	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.8	102	70-132	
Trichloroethene	ug/L	50	48.9	98	70-130	
Trichlorofluoromethane	ug/L	50	53.4	107	62-133	
Vinyl acetate	ug/L	100	112	112	66-157	
Vinyl chloride	ug/L	50	59.6	119	50-150	
Xylene (Total)	ug/L	150	162	108	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			100	70-130	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

QC Batch: OEXT/40255 Analysis Method: EPA 8015 Modified

QC Batch Method: EPA 3510 Analysis Description: 8015 GCS

Associated Lab Samples: 92282997001, 92282997002, 92282997003, 92282997004

METHOD BLANK: 1648035

Matrix: Water

Associated Lab Samples: 92282997001, 92282997002, 92282997003, 92282997004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diesel Range Organics(C10-C28)	mg/L	ND	0.50	0.10	01/15/16 12:08	
n-Pentacosane (S)	%	83	48-110		01/15/16 12:08	

LABORATORY CONTROL SAMPLE & LCSD: 1648036

1648037

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics(C10-C28)	mg/L	10	8.7	9.0	87	90	41-114	3	30	
n-Pentacosane (S)	%				97	92	48-110			

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

QC Batch: OEXT/40252

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV HVI

Associated Lab Samples: 92282997001, 92282997002, 92282997003, 92282997004

METHOD BLANK: 1647961

Matrix: Water

Associated Lab Samples: 92282997001, 92282997002, 92282997003, 92282997004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	1.9	01/15/16 10:08	
1,2-Dichlorobenzene	ug/L	ND	10.0	1.2	01/15/16 10:08	
1,3-Dichlorobenzene	ug/L	ND	10.0	1.1	01/15/16 10:08	
1,4-Dichlorobenzene	ug/L	ND	10.0	1.2	01/15/16 10:08	
1-Methylnaphthalene	ug/L	ND	10.0	1.8	01/15/16 10:08	
2,4,5-Trichlorophenol	ug/L	ND	10.0	2.2	01/15/16 10:08	
2,4,6-Trichlorophenol	ug/L	ND	10.0	1.9	01/15/16 10:08	
2,4-Dichlorophenol	ug/L	ND	10.0	1.7	01/15/16 10:08	
2,4-Dimethylphenol	ug/L	ND	10.0	2.2	01/15/16 10:08	
2,4-Dinitrophenol	ug/L	ND	50.0	6.5	01/15/16 10:08	
2,4-Dinitrotoluene	ug/L	ND	10.0	1.2	01/15/16 10:08	
2,6-Dinitrotoluene	ug/L	ND	10.0	1.7	01/15/16 10:08	
2-Chloronaphthalene	ug/L	ND	10.0	2.2	01/15/16 10:08	
2-Chlorophenol	ug/L	ND	10.0	1.5	01/15/16 10:08	
2-Methylnaphthalene	ug/L	ND	10.0	1.7	01/15/16 10:08	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	1.7	01/15/16 10:08	
2-Nitroaniline	ug/L	ND	50.0	2.8	01/15/16 10:08	
2-Nitrophenol	ug/L	ND	10.0	1.7	01/15/16 10:08	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	1.7	01/15/16 10:08	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	1.4	01/15/16 10:08	
3-Nitroaniline	ug/L	ND	50.0	2.4	01/15/16 10:08	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	1.7	01/15/16 10:08	
4-Bromophenylphenyl ether	ug/L	ND	10.0	1.3	01/15/16 10:08	
4-Chloro-3-methylphenol	ug/L	ND	20.0	4.2	01/15/16 10:08	
4-Chloroaniline	ug/L	ND	20.0	3.4	01/15/16 10:08	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	2.1	01/15/16 10:08	
4-Nitroaniline	ug/L	ND	20.0	2.5	01/15/16 10:08	
4-Nitrophenol	ug/L	ND	50.0	5.8	01/15/16 10:08	
Acenaphthene	ug/L	ND	10.0	1.7	01/15/16 10:08	
Acenaphthylene	ug/L	ND	10.0	1.8	01/15/16 10:08	
Aniline	ug/L	ND	10.0	1.3	01/15/16 10:08	
Anthracene	ug/L	ND	10.0	1.1	01/15/16 10:08	
Benzo(a)anthracene	ug/L	ND	10.0	0.72	01/15/16 10:08	
Benzo(a)pyrene	ug/L	ND	10.0	0.71	01/15/16 10:08	
Benzo(b)fluoranthene	ug/L	ND	10.0	0.81	01/15/16 10:08	
Benzo(g,h,i)perylene	ug/L	ND	10.0	0.97	01/15/16 10:08	
Benzo(k)fluoranthene	ug/L	ND	10.0	0.87	01/15/16 10:08	
Benzoic Acid	ug/L	ND	50.0	11.1	01/15/16 10:08	
Benzyl alcohol	ug/L	ND	20.0	3.4	01/15/16 10:08	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	1.7	01/15/16 10:08	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	1.5	01/15/16 10:08	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

METHOD BLANK: 1647961

Matrix: Water

Associated Lab Samples: 92282997001, 92282997002, 92282997003, 92282997004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	1.6	01/15/16 10:08	
bis(2-Ethylhexyl)phthalate	ug/L	ND	6.0	0.85	01/15/16 10:08	
Butylbenzylphthalate	ug/L	ND	10.0	0.75	01/15/16 10:08	
Chrysene	ug/L	ND	10.0	0.65	01/15/16 10:08	
Di-n-butylphthalate	ug/L	ND	10.0	1.1	01/15/16 10:08	
Di-n-octylphthalate	ug/L	ND	10.0	0.86	01/15/16 10:08	
Dibenz(a,h)anthracene	ug/L	ND	10.0	0.70	01/15/16 10:08	
Dibenzofuran	ug/L	ND	10.0	1.8	01/15/16 10:08	
Diethylphthalate	ug/L	ND	10.0	1.3	01/15/16 10:08	
Dimethylphthalate	ug/L	ND	10.0	1.5	01/15/16 10:08	
Fluoranthene	ug/L	ND	10.0	0.87	01/15/16 10:08	
Fluorene	ug/L	ND	10.0	1.6	01/15/16 10:08	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	1.8	01/15/16 10:08	
Hexachlorobenzene	ug/L	ND	10.0	1.1	01/15/16 10:08	
Hexachlorocyclopentadiene	ug/L	ND	10.0	1.8	01/15/16 10:08	
Hexachloroethane	ug/L	ND	10.0	1.5	01/15/16 10:08	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	1.8	01/15/16 10:08	
Isophorone	ug/L	ND	10.0	1.8	01/15/16 10:08	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	2.1	01/15/16 10:08	
N-Nitrosodimethylamine	ug/L	ND	10.0	1.3	01/15/16 10:08	
N-Nitrosodiphenylamine	ug/L	ND	10.0	1.3	01/15/16 10:08	
Naphthalene	ug/L	ND	10.0	1.5	01/15/16 10:08	
Nitrobenzene	ug/L	ND	10.0	1.7	01/15/16 10:08	
Pentachlorophenol	ug/L	ND	25.0	2.3	01/15/16 10:08	
Phenanthrene	ug/L	ND	10.0	1.0	01/15/16 10:08	
Phenol	ug/L	ND	10.0	1.7	01/15/16 10:08	
Pyrene	ug/L	ND	10.0	0.53	01/15/16 10:08	
2,4,6-Tribromophenol (S)	%	54	27-110		01/15/16 10:08	
2-Fluorobiphenyl (S)	%	69	27-110		01/15/16 10:08	
2-Fluorophenol (S)	%	41	12-110		01/15/16 10:08	
Nitrobenzene-d5 (S)	%	65	21-110		01/15/16 10:08	
Phenol-d6 (S)	%	32	10-110		01/15/16 10:08	
Terphenyl-d14 (S)	%	68	31-107		01/15/16 10:08	

LABORATORY CONTROL SAMPLE & LCSD: 1647962

1647963

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	32.3	36.3	65	73	31-120	12	30	
1,2-Dichlorobenzene	ug/L	50	30.0	33.3	60	67	38-120	11	30	
1,3-Dichlorobenzene	ug/L	50	30.1	33.5	60	67	30-122	11	30	
1,4-Dichlorobenzene	ug/L	50	30.4	34.0	61	68	37-120	11	30	
1-Methylnaphthalene	ug/L	50	31.7	34.9	63	70	34-113	9	30	
2,4,5-Trichlorophenol	ug/L	50	30.9	35.0	62	70	43-113	12	30	
2,4,6-Trichlorophenol	ug/L	50	29.1	33.7	58	67	42-120	15	30	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

LABORATORY CONTROL SAMPLE & LCSD:		1647962	1647963							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,4-Dichlorophenol	ug/L	50	29.9	32.4	60	65	30-120	8	30	
2,4-Dimethylphenol	ug/L	50	31.7	34.7	63	69	29-111	9	30	
2,4-Dinitrophenol	ug/L	250	134	136	53	55	19-132	2	30	
2,4-Dinitrotoluene	ug/L	50	36.1	37.8	72	76	58-128	5	30	
2,6-Dinitrotoluene	ug/L	50	30.1	33.4	60	67	54-129	10	30	
2-Chloronaphthalene	ug/L	50	30.2	34.5	60	69	43-117	13	30	
2-Chlorophenol	ug/L	50	26.1	29.2	52	58	37-120	11	30	
2-Methylnaphthalene	ug/L	50	29.8	32.6	60	65	33-120	9	30	
2-Methylphenol(o-Cresol)	ug/L	50	24.4	27.6	49	55	31-120	12	30	
2-Nitroaniline	ug/L	100	59.1	66.0	59	66	48-121	11	30	
2-Nitrophenol	ug/L	50	25.3	28.2	51	56	25-116	11	30	
3&4-Methylphenol(m&p Cresol)	ug/L	50	22.7	24.7	45	49	23-120	9	30	
3,3'-Dichlorobenzidine	ug/L	100	70.3	72.6	70	73	10-154	3	30	
3-Nitroaniline	ug/L	100	60.0	63.6	60	64	43-115	6	30	
4,6-Dinitro-2-methylphenol	ug/L	100	63.4	64.0	63	64	44-124	1	30	
4-Bromophenylphenyl ether	ug/L	50	29.5	32.0	59	64	34-113	8	30	
4-Chloro-3-methylphenol	ug/L	100	58.7	63.6	59	64	31-110	8	30	
4-Chloroaniline	ug/L	100	54.0	59.8	54	60	20-120	10	30	
4-Chlorophenylphenyl ether	ug/L	50	29.8	33.4	60	67	34-116	11	30	
4-Nitroaniline	ug/L	100	70.4	73.1	70	73	46-128	4	30	
4-Nitrophenol	ug/L	250	91.5	85.6	37	34	11-120	7	30	
Acenaphthene	ug/L	50	30.9	35.7	62	71	48-114	14	30	
Acenaphthylene	ug/L	50	31.2	35.4	62	71	48-112	13	30	
Aniline	ug/L	50	20.2	22.5	40	45	26-120	11	30	
Anthracene	ug/L	50	35.7	37.0	71	74	57-118	4	30	
Benzo(a)anthracene	ug/L	50	37.2	37.4	74	75	56-121	1	30	
Benzo(a)pyrene	ug/L	50	28.1	29.9	56	60	55-127	6	30	
Benzo(b)fluoranthene	ug/L	50	26.8	26.7	54	53	53-128	0	30	
Benzo(g,h,i)perylene	ug/L	50	39.9	41.5	80	83	54-125	4	30	
Benzo(k)fluoranthene	ug/L	50	33.8	33.7	68	67	51-123	0	30	
Benzoic Acid	ug/L	250	74.8	76.8	30	31	10-120	3	30	
Benzyl alcohol	ug/L	100	52.7	58.6	53	59	27-120	11	30	
bis(2-Chloroethoxy)methane	ug/L	50	28.0	30.7	56	61	32-120	9	30	
bis(2-Chloroethyl) ether	ug/L	50	26.1	29.8	52	60	33-111	13	30	
bis(2-Chloroisopropyl) ether	ug/L	50	21.2	24.3	42	49	15-120	14	30	
bis(2-Ethylhexyl)phthalate	ug/L	50	34.3	34.3	69	69	50-145	0	30	
Butylbenzylphthalate	ug/L	50	36.4	36.7	73	73	54-138	1	30	
Chrysene	ug/L	50	37.9	38.8	76	78	58-127	2	30	
Di-n-butylphthalate	ug/L	50	37.6	37.4	75	75	56-125	1	30	
Di-n-octylphthalate	ug/L	50	33.3	34.3	67	69	50-134	3	30	
Dibenz(a,h)anthracene	ug/L	50	33.6	34.6	67	69	53-129	3	30	
Dibenzofuran	ug/L	50	31.0	35.2	62	70	45-120	13	30	
Diethylphthalate	ug/L	50	34.8	36.8	70	74	53-120	6	30	
Dimethylphthalate	ug/L	50	32.6	35.9	65	72	55-116	10	30	
Fluoranthene	ug/L	50	38.6	39.0	77	78	57-125	1	30	
Fluorene	ug/L	50	32.2	36.8	64	74	53-118	13	30	
Hexachloro-1,3-butadiene	ug/L	50	32.6	37.2	65	74	23-120	13	30	

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

LABORATORY CONTROL SAMPLE & LCSD: 1647962			1647963							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Hexachlorobenzene	ug/L	50	36.6	38.1	73	76	49-116	4	30	
Hexachlorocyclopentadiene	ug/L	50	28.8	34.0	58	68	26-158	17	30	
Hexachloroethane	ug/L	50	29.9	33.5	60	67	30-114	11	30	
Indeno(1,2,3-cd)pyrene	ug/L	50	38.4	40.0	77	80	55-128	4	30	
Isophorone	ug/L	50	29.7	33.0	59	66	31-118	10	30	
N-Nitroso-di-n-propylamine	ug/L	50	27.7	31.0	55	62	32-119	11	30	
N-Nitrosodimethylamine	ug/L	50	18.1	19.3	36	39	13-120	6	30	
N-Nitrosodiphenylamine	ug/L	50	29.2	31.3	58	63	43-120	7	30	
Naphthalene	ug/L	50	32.1	36.1	64	72	32-120	12	30	
Nitrobenzene	ug/L	50	28.9	33.0	58	66	33-110	13	30	
Pentachlorophenol	ug/L	100	71.6	70.6	72	71	10-137	1	30	
Phenanthrene	ug/L	50	33.8	35.3	68	71	57-117	4	30	
Phenol	ug/L	50	13.3	14.0	27	28	10-120	5	30	
Pyrene	ug/L	50	34.9	35.2	70	70	55-122	1	30	
2,4,6-Tribromophenol (S)	%				69	71	27-110			
2-Fluorobiphenyl (S)	%				60	67	27-110			
2-Fluorophenol (S)	%				35	36	12-110			
Nitrobenzene-d5 (S)	%				59	65	21-110			
Phenol-d6 (S)	%				25	26	10-110			
Terphenyl-d14 (S)	%				68	67	31-107			

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

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALIFIERS

Project: Pilot Mtn Tire Fire

Pace Project No.: 92282997

### DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

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

TNI - The NELAC Institute.

### LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-C Pace Analytical Services - Charlotte

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

C9 Common Laboratory Contaminant.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

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

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

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pilot Mtn Tire Fire


Pace Project No.: 92282997


Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92282997001	SW-OUTFALL-011416	EPA 3510	OEXT/40255	EPA 8015 Modified	GCSV/23826
92282997002	SW-DEPOT-011416	EPA 3510	OEXT/40255	EPA 8015 Modified	GCSV/23826
92282997003	SW-UPSTREAM-011416	EPA 3510	OEXT/40255	EPA 8015 Modified	GCSV/23826
92282997004	SW-INTAKE-011417	EPA 3510	OEXT/40255	EPA 8015 Modified	GCSV/23826
92282997001	SW-OUTFALL-011416	EPA 5030/8015 Mod.	GCV/10252		
92282997002	SW-DEPOT-011416	EPA 5030/8015 Mod.	GCV/10247		
92282997003	SW-UPSTREAM-011416	EPA 5030/8015 Mod.	GCV/10247		
92282997004	SW-INTAKE-011417	EPA 5030/8015 Mod.	GCV/10247		
92282997001	SW-OUTFALL-011416	EPA 3010A	MPRP/20481	EPA 6010	ICP/18480
92282997002	SW-DEPOT-011416	EPA 3010A	MPRP/20481	EPA 6010	ICP/18480
92282997003	SW-UPSTREAM-011416	EPA 3010A	MPRP/20481	EPA 6010	ICP/18480
92282997004	SW-INTAKE-011417	EPA 3010A	MPRP/20481	EPA 6010	ICP/18480
92282997001	SW-OUTFALL-011416	EPA 7470	MERP/8867	EPA 7470	MERC/8517
92282997002	SW-DEPOT-011416	EPA 7470	MERP/8867	EPA 7470	MERC/8517
92282997003	SW-UPSTREAM-011416	EPA 7470	MERP/8867	EPA 7470	MERC/8517
92282997004	SW-INTAKE-011417	EPA 7470	MERP/8867	EPA 7470	MERC/8517
92282997001	SW-OUTFALL-011416	EPA 3510	OEXT/40252	EPA 8270	MSSV/11773
92282997002	SW-DEPOT-011416	EPA 3510	OEXT/40252	EPA 8270	MSSV/11773
92282997003	SW-UPSTREAM-011416	EPA 3510	OEXT/40252	EPA 8270	MSSV/11773
92282997004	SW-INTAKE-011417	EPA 3510	OEXT/40252	EPA 8270	MSSV/11773
92282997001	SW-OUTFALL-011416	EPA 8260	MSV/35179		
92282997002	SW-DEPOT-011416	EPA 8260	MSV/35179		
92282997003	SW-UPSTREAM-011416	EPA 8260	MSV/35179		
92282997004	SW-INTAKE-011417	EPA 8260	MSV/35179		
92282997005	Trip Blank	EPA 8260	MSV/35179		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



	Document Name: <b>Sample Condition Upon Receipt(SCUR)</b>	Document Revised: 26OCT2015 Page 1 of 2
	Document No.: <b>F-CHR-CS-003-rev.17</b>	Issuing Authority: Pace Huntersville Quality Office

<b>Sample Condition Upon Receipt</b>	Client Name: <u>Totra Tech</u>	Project #: <b>WO# : 92282997</b>
	Courier: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Client <input type="checkbox"/> Commercial <input type="checkbox"/> Pace <input type="checkbox"/> Other: _____	

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No      Seals Intact? ☐ Yes ☒ No  
 Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other: \_\_\_\_\_  
 Thermometer Used: ☒ T1505      Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun  
 Cooler Temp Corrected (°C): 4.8      Biological Tissue Frozen? ☐ Yes ☒ No ☐ N/A  
 Temp should be above freezing to 6°C      Correction Factor: 0.0 °C      Date and Initials of Person Examining Contents: AP 1-14-16  
 USDA Regulated Soil ( ☐ N/A, water sample)  
 Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☒ No      Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes Date/Time/ID/Analysis Matrix: <u>WV</u>	
All containers needing acid/base preservation have been checked? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
(HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples checked for dechlorination <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____	

#### CLIENT NOTIFICATION/RESOLUTION

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/Resolution: \_\_\_\_\_

Field Data Required? ☐ Yes ☒ No

Project Manager SCUR Review: TC

Date: 1/14

# CHAIN-OF-CUSTODY / Analytical Request Document

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



## Section A

### Required Client Information:

Company: Paton Tech  
 Address: 1955 Evergreen Blvd  
Durham, NC 27704  
 Email To: twick@patontech.com  
 Phone: 919.286.1000  
 Fax: 919.286.1000  
 Requested Due Date/TAT: ASAP

## Section B

### Required Project Information:

Report To: Jessica Wickes  
 Copy To: john.smnyder@patontech.com  
 Purchase Order No.: 1955-01-046  
 Project Name: Plot Main Tire Fire  
 Project Number: 1955-01-046

## Section C

### Invoice Information:

Attention: J. Wickes  
 Company Name: Patent Tech  
 Address: 1955 Evergreen Blvd  
 City: Durham  
 State: NC  
 Zip: 27704  
 Project Manager: Taylor Ezell  
 Pace Profile #: 1955-01-046

## Section D

### Regulatory Agency

NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐  
 UST ☐ RCRA ☐ OTHER ☐  
 Site Location: NC  
 STATE: NC

Page: 1 of 1  
 1995641

ITEM #	Section D Required Client Information	Matrix Codes MATRIX CODE	Matrix Codes MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Temp in °C	Received on	Sealed Cool	Custody	Samples Intact
					COMPOSITE	12/10/03/11/03/03/13									
1	SW-DT OUTFALL-011416	DW	DW	G	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE
2	SW-DEPOT-011416	WT	WT	G	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE
3	SW-UPSTREAM-011416	WT	WT	G	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE
4	SW-INTAKE-011416	WT	WT	G	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE
5	Trip Blank	WT	WT	G	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE
6															
7															
8															
9															
10															
11															
12															

ADDITIONAL COMMENTS: John Snyder / JT  
 RELINQUISHED BY / AFFILIATION: John Snyder  
 DATE: 1/14/16  
 TIME: 1200  
 ACCEPTED BY / AFFILIATION: John Snyder  
 DATE: 01/14/16  
 TIME: 1200  
 SAMPLE CONDITIONS: ✓  
 Temp in °C: 41.8  
 Received on: 1/14/16  
 Sealed Cool: ✓  
 Custody: ✓  
 Samples Intact: ✓

**ATTACHMENT 3**  
**LABORATORY DATA PACKAGE: AIR SAMPLES**  
(24 Sheets)



January 14, 2016

Jessica Vickers  
Tetra Tech  
950 South 4th Street  
Baldwyn, MS 38824

RE: Project: Pilot Mountain Tire Fire - Air  
Pace Project No.: 92283035

Dear Jessica Vickers:

Enclosed are the analytical results for sample(s) received by the laboratory on January 14, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,



Taylor Ezell  
taylor.ezell@pacelabs.com  
Project Manager

Enclosures

cc: John Snyder, Tetra Tech



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## SAMPLE SUMMARY

Project: Pilot Mountain Tire Fire - Air

Pace Project No.: 92283035

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92283035001	PMTF-AS-01-011316	Water	01/13/16 16:34	01/14/16 11:10

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## PROJECT NARRATIVE

Project:

Pace Project No.:

---

**Method:**

**Description:**

**Client:**

**Date:**

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

1600096

## MATERIAL ANALYTICAL SERVICES, INC.

3945 Lakefield Court, Suwanee, GA 30024

Tel: (770) 866-3200 (800) 421-8451

www.mastest.com

## CHAIN OF CUSTODY FORM FOR AIR SAMPLE ANALYSIS

Client name: Tetra Tech EM, Inc.Contact: Jessica VickersProject Name/ #: Pilot Mountain Tire FireAddress: 1955 Evergreen Blvd, Bldg 200, Suite 300Phone: 662.681.5727Samplers Name: Brian CroftDuluth, GA 30096

Fax: \_\_\_\_\_

Sampling Date: 1/13/2016

SAMPLE ID	SAMPLE DESCRIPTION (e.g. Locations, Name, etc)	PUMP NUMBER	TIME			FLOW RATE			SEGMENT VOLUME	TOTAL VOLUME	ANALYSIS REQUESTED/REMARKS
			START	END	TOTAL	INITIAL	FINAL	AVG			
PMTF-AS-01-011316	Upwind	G1	8:34	16:34	480	7.65	7.57	7.61	3652.6	3652.6	Analyze samples by NIOSH Method 7400 for 5 day TAT. For any sample(s) greater than 0.001 f/cc, Tetra Tech will advise whether or not to analyze the sample(s) by NIOSH Method 7402 at a standard TAT. Please e-mail results to the following: jessica.vickers@tetratech.com john.snyder@tetratech.com brian.croft@tetratech.com.
					0			0.00	0.0		
PMTF-AS-02-011316	Downwind at property line	G2	8:43	16:43	480	7.66	7.52	7.59	3643.6	3643.6	
					0			0.00	0.0		
PMTF-AS-03-011316	Downwind at community college	G3	8:55	16:55	480	7.59	7.66	7.62	3659.1	3659.1	
					0			0.00	0.0		
					0			0.00	0.0	0.0	
					0			0.00	0.0		
					NA			NA	NA	NA	
					NA			NA	NA	NA	

Turnaround Time: Normal (5 days): ☐3 Days Rush: ☐2 Days Rush: ☐Next Day Rush: ☒ **ASAP**Comments: The total volume is the sum of each segment volume for each location (i.e. Location 1 volume 1 + Location 1 volume 2 = Loc 1 total volume).

Relinquished By:	<u>Brian Croft</u>	Date/Time:	<u>1-13-16/1830</u>	to FedEx
Received By:	<u>JP Vics</u>	Date/Time:	<u>1/14/16 1110</u>	
Relinquished By:		Date/Time:		
Received By:		Date/Time:		

Delivered Direct to Lab: ☐Shipped: ☒Method of Shipment: FedExLab Recipient: Sample Receiving

Date: \_\_\_\_\_

WO#: **92283035**

92283035



Pace Analytical Services, Inc.  
1800 Elm St. SE - Suite 1830  
Minneapolis, MN 55414  
(612) 607-6457

January 14, 2016

Work Order #: 1600096

Taylor Ezell  
Pace Analytical - Charlotte  
9800 Kinsey Avenue, Suite 100  
Huntersville, NC 28078

RE: 92283035 - Pilot Mountain Tire Fire-Air

Dear Taylor Ezell:

**PCM Fiber Count Report**

The microscopy department of Pace Analytical Services, Inc. received your analytical request on January 14, 2016 for the analysis of fiber concentration by phase contrast microscopy (PCM). The sample(s) were analyzed in the Pace Industrial Hygiene laboratory unless otherwise noted. Analytical results are summarized on the following laboratory report.

**Methodology**

Samples were analyzed in accordance with the National Institute for Occupational Safety and Health's (NIOSH) Method 7400, Issue 2, August 15, 1994, and the Minnesota Department of Health Asbestos Abatement Rules, part 4620.3597, July 1, 1996. All analyses were in compliance with the quality control procedures specified in the above method and regulation. All routine quality assurance procedures were followed, unless otherwise noted.

**Remarks**

Samples are retained at our laboratory for 30 days and will be disposed of unless otherwise instructed by the client.

This report cannot be copied, except in its entirety, without prior written permission from Pace Analytical Services, Inc.

We appreciate your decision to use Pace Analytical Services, Inc. for this project. We are committed to being your vendor of choice to meet your analytical needs. If you have any questions please contact me at 612.607.6457.

Sincerely,

A handwritten signature in cursive script, reading 'Michelle Pivec'.

Michelle Pivec For Steven D. Felton  
Project Manager



## Phase Contrast Microscopy (PCM) Data

Client: Pace NC  
Work Order : 1600096  
Client Reference: Tetra Tech

Laboratory: Pace Analytical Services  
Lab Contact: W. Dupay  
Sampler: Client

Laboratory Sample ID	Client ID	Date Collected	Analysis Date	Sample Volume (liters)	Number of Fibers	Number of Fields	Fiber Density (f/mm <sup>2</sup> )	Fiber Concentration (f/cc)
1600096 -1	PMTF-AS-01-011316	1/13/2016	1/14/2016	3653	3.0	100	BDL	<0.01
1600096 -2	PMTF-AS-02-011316	1/13/2016	N/A	3644	-	-	-	-
1600096 -3	PMTF-AS-03-011316	1/13/2016	N/A	3659	-	-	-	-

Samples 2 and 3 are N/A because filters were too dirty to analyze.

### Footnotes:

BDL Below NIOSH Method 7400 estimated limit of 7 fibers/square millimeter.  
< Less Than

Laboratory Relative Standard Deviation (Sr) ranges:  
0 to 20 fibers 0.33  
20.5 to 50 fibers 0.33  
50.5 to 100 fibers 0.24  
greater than 100 fibers 0.18

1600096

**MATERIAL ANALYTICAL SERVICES, INC.**  
 3945 Lakefield Court, Suwanee, GA 30024  
 Tel: (770) 866-3200 (800) 421-8451  
 www.mastest.com

# CHAIN OF CUSTODY FORM FOR AIR SAMPLE ANALYSIS

Client name: Tetra Tech EM, Inc.

Address: 1955 Evergreen Blvd, Bldg 200, Suite 300  
Duluth, GA 30096

Contact: Jessica Vickers

Phone: 662.681.5727

Fax: \_\_\_\_\_

Project Name#: Pilot Mountain Tire Fire

Samplers Name: Brian Croft

Sampling Date: 1/13/2016

SAMPLE ID	SAMPLE DESCRIPTION (e.g. Locations, Name, etc)	PUMP NUMBER	TIME		FLOW RATE			SEGMENT VOLUME	TOTAL VOLUME	ANALYSIS REQUESTED/REMARKS
			START	END	TOTAL	INITIAL	FINAL	AVG		
PMTF-AS-01-011316	Upwind	G1	8:34	16:34	480	7.65	7.57	7.61	3652.6	Analyze samples by NIOSH Method 7400 for 5 day TAT. For any sample(s) greater than 0.001 f/cc, Tetra Tech will advise whether or not to analyze the sample(s) by NIOSH Method 7402 at a standard TAT. Please e-mail results to the following: jessica.vickers@tetratech.com john.snyder@tetratech.com brian.croft@tetratech.com
					0			0.00	0.0	
PMTF-AS-02-011316	Downwind at property line	G2	8:43	16:43	480	7.66	7.52	7.59	3643.6	
					0			0.00	0.0	
PMTF-AS-03-011316	Downwind at community college	G3	8:55	16:55	480	7.59	7.66	7.62	3659.1	
					0			0.00	0.0	
					0			0.00	0.0	
					0			0.00	0.0	
					NA			NA	NA	
					NA			NA	NA	

Turnaround Time: \_\_\_\_\_

Normal (5 days): ☐

3 Days Rush: ☐

☐

2 Days Rush: ☐

Next Day Rush: ☒

**ASAP**

Comments: The total volume is the sum of each segment volume for each location (i.e. Location 1 volume 1 + Location 1 volume 2 = Loc 1 total volume).

Relinquished By: <u>B.S. Cent</u>	Date/Time: <u>1-13-16/1830</u>
Received By: <u>W. Rives</u>	Date/Time: <u>1/14/16 1110</u>
Relinquished By: _____	Date/Time: _____
Received By: _____	Date/Time: _____

40 FedEx

Delivered Direct to Lab: ☐

Method of Shipment: FedEx

Lab Recipient: Sample Receiving

Date: \_\_\_\_\_

Shipped: ☒



1105350910



**Workorder: 92283035**

**Workorder Name:**Pilot Mountain Tire Fire - Air

Owner Received Date:	1/14/2016	Results Requested By:	1/15/2016
----------------------	-----------	-----------------------	-----------

## Report To:

## Subcontract To:

### Requested Analysis:

**Taylor Ezell**  
Pace Analytical Services, Inc.  
9800 Kincey Ave., Suite 100  
Huntersville, NC 28078  
Phone (704)875-9092  
Fax (704)875-9091

**Pace Analytical Minnesota**  
1700 Elm Street SE  
Suite 200  
Minneapolis, MN 55414  
Phone (612)607-1700

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Other	Preserved Containers
1	PMTF-AS-01-011316	PS	1/13/2016 16:34	92283035001	Water	1	
2	PMTF-AS-02-011316	PS	1/13/2016 16:43	92283035002	Water	1	
3	PMTF-AS-03-011316	PS	1/13/2016 16:55	92283035003	Water	1	
4							
5							

Transfers	Released By	Date/Time	Received By	Date/Time
1			NPVez	11/4/16
2				
3				

Cooler Temperature on Receipt	AMB °C	Custody Seal	Y or N	Received on Ice	Y or N	Samples Intact	Y or N
			Y				

\*\*\*\*\*In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.

***This chain of custody is considered complete as is since this information is available in the owner laboratory.***

January 15, 2016

Jessica Vickers  
Tetra Tech  
950 South 4th Street  
Baldwyn, MS 38824

RE: Project: Pilot Mtn Tire Fire - Air  
Pace Project No.: 92283198

Dear Jessica Vickers:

Enclosed are the analytical results for sample(s) received by the laboratory on January 15, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,



Taylor Ezell  
taylor.ezell@pacelabs.com  
Project Manager

Enclosures

cc: John Snyder, Tetra Tech



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## SAMPLE SUMMARY

Project: Pilot Mtn Tire Fire - Air

Pace Project No.: 92283198

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92283198001	PMTF-AS-01-011416	Water	01/14/16 16:00	01/15/16 11:45
92283198002	PMTF-AS-02-011416	Water	01/14/16 16:08	01/15/16 11:45
92283198003	PMTF-AS-FB-01	Water	01/14/16 00:00	01/15/16 11:45
92283198004	PMTF-AS-FB-02	Water	01/14/16 00:00	01/15/16 11:45
92283198005	PMTF-AS-LB-01	Water	01/14/16 00:00	01/15/16 11:45

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project:

Pace Project No.:

---

**Method:**

**Description:**

**Client:**

**Date:**

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

**MATERIAL ANALYTICAL SERVICES, INC.**

3945 Lakeland Court, Suwanee, GA 30024

Tel: (770) 866-3200 (800) 421-8451

www.mastest.com

**CHAIN OF CUSTODY FORM FOR AIR SAMPLE ANALYSIS**

Client name: Tetra Tech EM, Inc.

Contact: Jessica Vickers

Project Name#: Pilot Mountain Tire Fire

Address: 1955 Evergreen Blvd, Bldg 200, Suite 300

Phone: 662.681.5727

Samplers Name: Brian Croft

Dufuth, GA 30096

Fax: \_\_\_\_\_

Sampling Date: 1/14/2016

SAMPLE ID	SAMPLE DESCRIPTION (e.g. Locations, Name, etc)	PUMP NUMBER	TIME			FLOW RATE			SEGMENT VOLUME	TOTAL VOLUME	ANALYSIS REQUESTED/REMARKS
			START	END	TOTAL	INITIAL	FINAL	AVG			
PMTF-AS-01-011416	Upwind	G1	7:46	16:00	494	7.60	7.57	7.59	3747.3	3747.3	Analyze samples by NIOSH Method 7400 for 5 day TAT. For any sample(s) greater than 0.001 f/cc, Tetra Tech will advise whether or not to analyze the sample(s) by NIOSH Method 7402 at a standard TAT. Please e-mail results to the following: jessica.vickers@tetratech.com john.snyder@tetratech.com brian.croft@tetratech.com
PMTF-AS-02-011416	Downwind at Hayco Construction	G2	7:56	16:08	492	7.53	6.99	7.26	3572.6	3572.6	
PMTF-AS-FB-01	Field Blank	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PMTF-AS-FB-02	Field Blank	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PMTF-AS-LB-01	Lot Blank	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Turnaround Time: Normal (5 days): ☐

3 Days Rush: ☐

2 Days Rush: ☐

Next Day Rush: ☒ (ASAP)

Comments: The total volume is the sum of each segment volume for each location (i.e. Location 1 volume 1 + Location 1 volume 2 = Loc 1 total volume).

Relinquished By: <u>B.S. Croft</u>	Date/Time: <u>1/14/16-1800</u>
Received By: <u>MRUC</u>	Date/Time: <u>1/15/16 1145</u>
Relinquished By: _____	Date/Time: _____
Received By: _____	Date/Time: _____

Delivered Direct to Lab: ☐

Shipped: ☒

Method of Shipment: FedEx

Lab Recipient: Sample Receiving

Date: \_\_\_\_\_

**WO# : 92283198**



92283198





Pace Analytical Services, Inc.  
1800 Elm St. SE - Suite 1830  
Minneapolis, MN 55414  
(612) 607-6457

Taylor Ezell  
Pace Analytical - Charlotte  
9800 Kincey Avenue, Suite 100  
Huntersville, NC 28078

January 15, 2016

Work Order #: 1600106

RE: 92283198 - Pilot Mountain Tire Fire - Air

Dear Taylor Ezell:

**PCM Fiber Count Report**

The microscopy department of Pace Analytical Services, Inc. received your analytical request on January 15, 2016 for the analysis of fiber concentration by phase contrast microscopy (PCM). The sample(s) were analyzed in the Pace Industrial Hygiene laboratory unless otherwise noted. Analytical results are summarized on the following laboratory report.

**Methodology**

Samples were analyzed in accordance with the National Institute for Occupational Safety and Health's (NIOSH) Method 7400, Issue 2, August 15, 1994, and the Minnesota Department of Health Asbestos Abatement Rules, part 4620.3597, July 1, 1996. All analyses were in compliance with the quality control procedures specified in the above method and regulation. All routine quality assurance procedures were followed, unless otherwise noted.

**Remarks**

Samples are retained at our laboratory for 30 days and will be disposed of unless otherwise instructed by the client.

This report cannot be copied, except in its entirety, without prior written permission from Pace Analytical Services, Inc.

We appreciate your decision to use Pace Analytical Services, Inc. for this project. We are committed to being your vendor of choice to meet your analytical needs. If you have any questions please contact me at 612.607.6457.

Sincerely,

A handwritten signature in black ink, appearing to read "Michelle Pivec", written in a cursive style.

Michelle Pivec For Steven D. Felton  
Project Manager



## Phase Contrast Microscopy (PCM) Data

Client: Pace NC  
 Work Order : 1600106  
 Client Reference: Tetra Tech

Laboratory:  
 Lab Contact  
 Sampler:

Pace Analytical Services  
 W. Dupay  
 Client

Laboratory Sample ID	Client ID	Date Collected	Analysis Date	Sample Volume (liters)	Number of Fibers	Number of Fields	Fiber Density (f/mm <sup>2</sup> )	Fiber Concentration (f/cc)
1600106 -1	PMTF- AS-01-011416	1/14/2016	1/15/2016	3747	3.5	100	BDL	<0.01
1600106 -2	PMTF- AS-02-011416	1/14/2016	1/15/2016	3573	7.5	100	9.6	0.001
1600106 -3	PMTF- AS-FB-01	1/14/2016	1/15/2016	N/A	0.0	100	BDL	-
1600106 -4	PMTF- AS-FB-02	1/14/2016	1/15/2016	N/A	0.0	100	BDL	-
1600106 -5	PMTF- AS-LB-01	1/14/2016	1/15/2016	N/A	0.0	100	BDL	-

### Footnotes:

BDL Below NIOSH Method 7400 estimated limit of 7 fibers/square millimeter.

< Less Than

Laboratory Relative Standard Deviation (Sr) ranges:

0 to 20 fibers 0.33  
 20.5 to 50 fibers 0.33  
 50.5 to 100 fibers 0.24  
 greater than 100 fibers 0.18

# Chain of Custody

1660106



Workorder: 92283198      Workorder Name: Pilot Min Tire Fire - Air      Owner Received Date: 1/15/2016      Results Requested By: 1/18/2016

Report To:		Subcontract To:		Requested Analysis		Comments	
Taylor Ezell Pace Analytical Services, Inc. 9800 Kinney Ave., Suite 100 Huntersville, NC 28078 Phone (704)875-9092 Fax (704)875-9091		Pace Analytical Minnesota 1700 Elm Street SE Suite 200 Minneapolis, MN 55414 Phone (612)607-1700		NIOSH 7420		Air Volume (L) LAB USE ONLY 3747.3 3572.10 Blank Blank Blank	
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Other	Preserved Containers
1	PMTF-AS-01-011416	PS	1/14/2016 16:00	92283198001	Water	1	X
2	PMTF-AS-02-011416	PS	1/14/2016 16:08	92283198002	Water	1	X
3	PMTF-AS-FB-01	PS	1/14/2016 00:00	92283198003	Water	1	X
4	PMTF-AS-FB-02	PS	1/14/2016 00:00	92283198004	Water	1	X
5	PMTF-AS-LB-01	PS	1/14/2016 00:00	92283198005	Water	1	X
Transfers	Released By	Date/Time	Received By	Date/Time			
1			UPIVER	1/15/16			
2							
3							
Cooler Temperature on Receipt		Fmb °C	Custody Seal	Y or (N)	Received on Ice	Y or (N)	Samples Intact (Y) or (N)

\*\*\*In order to maintain client confidentiality, location/name of the sampling site, sample's name and signature may not be provided on this COC document.

This chain of custody is considered complete as is since this information is available in the owner laboratory.

1600104

## MATERIAL ANALYTICAL SERVICES, INC.

3945 Lakefield Court, Suwanee, GA 30024

Tel: (770) 866-3200 (800) 421-8451

www.masstest.com

## CHAIN OF CUSTODY FORM FOR AIR SAMPLE ANALYSIS

Client name: Tetra Tech EM, Inc.

Address: 1955 Evergreen Blvd, Bldg 200, Suite 300

Duluth, GA 30096

Contact: Jessica Vickers

Phone: 662.681.5727

Fax:

Project Name/ #: Pilot Mountain Tire Fire

Samplers Name: Brian Croft

Sampling Date: 1/14/2016

SAMPLE ID	SAMPLE DESCRIPTION (e.g. Locations, Name, etc)	PUMP NUMBER	TIME		FLOW RATE		SEGMENT VOLUME	TOTAL VOLUME	ANALYSIS REQUESTED/REMARKS
			START	END	INITIAL	FINAL			
PMTF-AS-01-011416	Upwind	G1	7:46	16:00	7.60	7.57	3747.3	3747.3	Analyze samples by NIOSH Method 7400 for 5 day TAT. For any sample(s) greater than 0.001 f/cc, Tetra Tech will advise whether or not to analyze the sample(s) by NIOSH Method 7402 at a standard TAT. Please e-mail results to the following: jessica.vickers@tetratech.com john.snyder@tetratech.com brian.croft@tetratech.com.
PMTF-AS-02-011416	Downwind at Hayco Construction	G2	7:56	16:08	7.53	6.99	3572.6	3572.6	
PMTF-AS-FB-01	Field Blank	NA	NA	NA	NA	NA	NA	NA	
PMTF-AS-FB-02	Field Blank	NA	NA	NA	NA	NA	NA	NA	
PMTF-AS-LB-01	Lot Blank	NA	NA	NA	NA	NA	NA	NA	

Turnaround Time:

Normal (5 days):

O

3 Days Rush:

O

2 Days Rush:

O

Next Day Rush:

X

(ASAP)

Comments: The total volume is the sum of each segment volume for each location (i.e. Location 1 volume 1 + Location 1 volume 2 = Loc 1 total volume).

Relinquished By:	<i>B.S. Croft</i>	Date/Time:	1/14/16 1800
Received By:	<i>MR. VICKERS</i>	Date/Time:	1/15/16 1145
Relinquished By:		Date/Time:	
Received By:		Date/Time:	

Delivered Direct to Lab: O

Shipped: X

Method of Shipment: FedEx

Lab Recipient: Sample Receiving

Date: 1/15/16

January 18, 2016

Jessica Vickers  
Tetra Tech  
950 South 4th Street  
Baldwyn, MS 38824

RE: Project: Pilot Mtn Tire Fire - Air  
Pace Project No.: 92283333

Dear Jessica Vickers:

Enclosed are the analytical results for sample(s) received by the laboratory on January 18, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,



Taylor Ezell  
taylor.ezell@pacelabs.com  
Project Manager

Enclosures

cc: John Snyder, Tetra Tech



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## SAMPLE SUMMARY

Project: Pilot Mtn Tire Fire - Air

Pace Project No.: 92283333

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92283333001	PMTF-AS-01-011516	Water	01/15/16 11:34	01/18/16 10:00
92283333002	PMTF-AS-01-021517	Water	01/15/16 11:47	01/18/16 10:00
92283333003	PMTF-AS-FB-03	Water	01/15/16 00:00	01/18/16 10:00

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## PROJECT NARRATIVE

Project:

Pace Project No.:

---

**Method:**

**Description:**

**Client:**

**Date:**

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

**MATERIAL ANALYTICAL SERVICES, INC.**

3945 Lakefield Court, Suwanee, GA 30024

Tel: (770) 866-3200 (800) 421-8451

www.mastest.com

**CHAIN OF CUSTODY FORM FOR AIR SAMPLE ANALYSIS**

Client name: Tetra Tech EM, Inc.

Contact: Jessica Vickers

Project Name/#: Pilot Mountain Tire Fire

Address: 1955 Evergreen Blvd, Bldg 200, Suite 300

Phone: 662.681.5727

Samplers Name: Brian Croft

Duluth, GA 30096

Fax: \_\_\_\_\_

Sampling Date: 1/15/2016

SAMPLE ID	SAMPLE DESCRIPTION (e.g. Locations, Name, etc)	PUMP NUMBER	TIME			FLOW RATE			SEGMENT VOLUME	TOTAL VOLUME	ANALYSIS REQUESTED/REMARKS
			START	END	TOTAL	INITIAL	FINAL	AVG			
PMTF-AS-01-011516	Upwind	G1	7:34	11:34	240	8.66	8.69	8.67	2081.2	2081.2	Analyze samples by NIOSH Method 7400 for 5 day TAT. For any sample(s) greater than 0.001 f/cc, Tetra Tech will advise whether or not to analyze the sample(s) by NIOSH Method 7402 at a standard TAT. Please e-mail results to the following: jessica.vickers@tetratech.com john.snyder@tetratech.com brian.croft@tetratech.com.
PMTF-AS-02-011516	Downwind at Hayco Construction	G2	7:47	11:47	240	8.68	8.86	8.77	2104.8	2104.8	
PMTF-AS-FB-03	Field Blank	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Turnaround Time:

Normal (5 days):

☐

3 Days Rush:

☐

2 Days Rush:

☐

Next Day Rush:

☒

Comments: The total volume is the sum of each segment volume for each location (i.e. Location 1 volume 1 + Location 1 volume 2 = Loc 1 total volume).

Relinquished By: <u>Brian Croft</u>	Date/Time: <u>1-15-16/1500</u>
Received By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____
Received By: _____	Date/Time: _____

Delivered Direct to Lab: ☐

Shipped: ☒

Method of Shipment: FedEx

Lab Recipient: Sample Receiving

Date: \_\_\_\_\_

**WO# : 92283333**



92283333



Pace Analytical Services, Inc.  
1800 Elm St. SE - Suite 1830  
Minneapolis, MN 55414  
(612) 607-6457

Taylor Ezell  
Pace Analytical - Charlotte  
9800 Kincey Avenue, Suite 100  
Huntersville, NC 28078

January 18, 2016

Work Order #: 1600112

RE: Pilot Mountain Tire Fire

Dear Taylor Ezell:

**PCM Fiber Count Report**

The microscopy department of Pace Analytical Services, Inc. received your analytical request on January 18, 2016 for the analysis of fiber concentration by phase contrast microscopy (PCM). The sample(s) were analyzed in the Pace Industrial Hygiene laboratory unless otherwise noted. Analytical results are summarized on the following laboratory report.

**Methodology**

Samples were analyzed in accordance with the National Institute for Occupational Safety and Health's (NIOSH) Method 7400, Issue 2, August 15, 1994, and the Minnesota Department of Health Asbestos Abatement Rules, part 4620.3597, July 1, 1996. All analyses were in compliance with the quality control procedures specified in the above method and regulation. All routine quality assurance procedures were followed, unless otherwise noted.

**Remarks**

Samples are retained at our laboratory for 30 days and will be disposed of unless otherwise instructed by the client.

This report cannot be copied, except in its entirety, without prior written permission from Pace Analytical Services, Inc.

We appreciate your decision to use Pace Analytical Services, Inc. for this project. We are committed to being your vendor of choice to meet your analytical needs. If you have any questions please contact me at 612.607.6457.

Sincerely,

A handwritten signature in black ink, appearing to read "Michelle Pivec". The signature is fluid and cursive, with the first name "Michelle" and last name "Pivec" clearly distinguishable.

Michelle Pivec For Steven D. Felton  
Project Manager



## Phase Contrast Microscopy (PCM) Data

Client: Pace NC  
 Work Order : 1600112  
 Client Reference: Tetra Tech

Laboratory:  
 Lab Contact  
 Sampler:

Pace Analytical Services  
 W. Dupuy  
 Client

Laboratory Sample ID	Client ID	Date Collected	Analysis Date	Sample Volume (liters)	Number of Fibers	Number of Fields	Fiber Density (#/mm <sup>2</sup> )	Fiber Concentration (#/cc)
1600112 -1	PMTF-AS-01-011516	1/15/2016	1/18/2016	2081	4.0	100	BDL	<0.01
1600112 -2	PMTF-AS-02-011516	1/15/2016	1/18/2016	2105	5.0	100	BDL	<0.01
1600112 -3	PMTF-AS-FB-03	N/A	1/18/2016	N/A	0.0	100	BDL	-

### Footnotes:

BDL Below NIOSH Method 7400 estimated limit of 7 fibers/square millimeter.  
 < Less Than

Laboratory Relative Standard Deviation (Sr) ranges:

0 to 20 fibers	0.33
20.5 to 50 fibers	0.33
50.5 to 100 fibers	0.24
greater than 100 fibers	0.18



1650112

**MATERIAL ANALYTICAL SERVICES, INC.**  
 3945 Lakefield Court, Suwanee, GA 30024  
 Tel: (770) 866-3200 (800) 421-8451  
 www.mastest.com

### CHAIN OF CUSTODY FORM FOR AIR SAMPLE ANALYSIS

Client name: Tetra Tech EM, Inc. Contact: Jessica Vickers Project Name/ #: Pilot Mountain Tire Fire  
 Address: 1955 Evergreen Blvd, Bldg 200, Suite 300 Phone: 662.681.5727 Samplers Name: Brian Croft  
Duluth, GA 30096 Fax: \_\_\_\_\_ Sampling Date: 1/15/2016

SAMPLE ID	SAMPLE DESCRIPTION (e.g. Locations, Name, etc)	PUMP NUMBER	TIME		FLOW RATE			SEGMENT VOLUME	TOTAL VOLUME	ANALYSIS REQUESTED/REMARKS
			START	END	TOTAL	INITIAL	FINAL	AVG		
PMTF-AS-01-011516	Upwind	G1	7:34	11:34	240	8.66	8.69	8.67	2081.2	Analyze samples by NIOSH Method 7400 for 5 day TAT. For any sample(s) greater than 0.001 f/cc, Tetra Tech will advise whether or not to analyze the sample(s) by NIOSH Method 7402 at a standard TAT. Please e-mail results to the following: jessica.vickers@tetratech.com john.snyder@tetratech.com brian.croft@tetratech.com
PMTF-AS-02-011516	Downwind at Hayco Construction	G2	7:47	11:47	240	8.68	8.86	8.77	2104.8	
PMTF-AS-FB-03	Field Blank	NA	NA	NA	NA	NA	NA	NA	NA	

Turnaround Time: Normal (5 days): ☐ 3 Days Rush: ☐ 2 Days Rush: ☐ Next Day Rush: ☒

Comments: The total volume is the sum of each segment volume for each location (i.e. Location 1 volume 1 + Location 1 volume 2 = Loc 1 total volume).

Relinquished By: <u>Brian Croft</u>	Date/Time: <u>1/15/16 1500</u>
Received By: <u>MPives</u>	Date/Time: <u>1/18/16 1300</u>
Relinquished By:	Date/Time:
Received By:	Date/Time:

Delivered Direct to Lab: ☐ Shipped: ☒  
 Method of Shipment: FedEx  
 Lab Recipient: Sample Receiving  
 Date: \_\_\_\_\_

# Chain of Custody

1605112



Workorder: 92283333      Workorder Name: Pilot Mtn Tire Fire - Air      Owner Received Date: 1/18/2016      Results Requested By: 1/19/2016

Report To		Subcontract To		Requested Analysis													
Taylor Ezell Pace Analytical Services, Inc. 9800 Kinsey Ave., Suite 100 Huntersville, NC 28078 Phone (704)875-9092 Fax (704)875-9091		Pace Analytical Minnesota 1700 Elm Street SE Suite 200 Minneapolis, MN 55414 Phone (612)607-1700															
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers				LAB USE ONLY							
						Other											
1	PMTF-AS-01-011516	PS	1/15/2016 11:34	92283333001	Water	1											
2	PMTF-AS-01-021517	PS	1/15/2016 11:47	92283333002	Water	1											
3	PMTF-AS-FB-03	PS	1/15/2016 00:00	92283333003	Water	1											
4																	
5																	
Comments																	
Transfers		Released By		Date/Time		Received By		Date/Time									
1						W. P. V. C.		1/18/16		1350							
2																	
3																	
Cooler Temperature on Receipt: 40.0 °C      Custody Seal Y or (N)      Received on Ice Y or (N)      Samples Intact (Y) or N																	

\*\*\*In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.