CTEH®

THE SCIENCE OF READY℠

SOUTH 4 GROUP FIRE

Port Neches, TX

Preliminary Water Data Summary

December 6, 2019

Project #112312

1.0 Introduction

On November 27, 2019 at approximately 04:00 Central Standard Time (CST), TPC Group requested that CTEH® provide water sampling support in response to a tank fire at their facility located in Port Neches, Texas. CTEH® arrived on-site on November 27, 2019 at approximately 08:00 CST and began real-time air monitoring and analytical air sampling operations surrounding the site of the event. Upon arrival on site, TPC Group requested CTEH® to perform water sampling activities associated with fire water runoff and surrounding surface water.

Surface water sampling efforts have been largely focused on areas in proximity to outfall locations as these reflect the downstream movement of potential effluent from the TPC facility and neighboring industries. As the outfall locations are situated sequentially downstream, sampling from these locations will provide an assessment of how concentrations change as they move further from the facility. Water samples from two background locations were collected for results comparison. This report summarizes water sampling results from grab surface water collected from December 1, 2019 to December 2, 2019.

2.0 Methods

2.1 Water Sampling

CTEH® developed and implemented an Environmental Sampling and Analysis Plan (ESAP) to document and quantify the potential release of runoff liquids from the incident. The ESAP was approved by local, state, and federal representatives of the on-site Unified Command (UC). In accordance with the ESAP, surface water samples were collected at various locations to delineate the extent and nature of potential impact related to the fire and associated response activities and assess the potential for public exposures via drinking water. A sampling summary including locations, descriptions, and samples collected to date is listed in **Table 1**. All samples were sent to third-party (National Environmental Laboratory Accreditation Program; NELAP) accredited laboratories for analyses using state or federal analytical methods, listed in **Table 2**. To ensure completeness, each laboratory report is also undergoing data verification and/or validation by an independent contractor. The data have been preliminarily validated and may be subject to change as part of the routine data validation process.

The naming scheme for sampling involves the following:

PN = Port Neches; TX = Texas; date (MonthXXDayXX); XY (X = fire water, Y = environmental water); Sample identification serial number by day (XXX); Sample team A or B. (Example: PNTX1201X010)

Table 1. Surface Water Sampling Locations and Descriptions, excluding QC samples (see map in Attachment A)

Location Code	Location Description	Sample Frequency*	Samples Collected to Date	Sample Data Received to Date	Sample Start Date	Sample End Date
WS000	Background; Huntsman Dock at Neches River; NE of TPC	On Demand	1	1	11/27/2019	11/27/2019
WS001	Port Neches, near Atlantic Road; downstream from Outfall 001 (permitted discharge location)	2/Day	18	16	11/28/2019	Ongoing
WS002	Water Treatment Wetlands Outlet; Outfall 004 (permitted discharge location)	2/Day	17	14	11/27/2019	Ongoing
WS003	Orchard Avenue on Bridge over 001 Canal	2/Day	17	14	11/28/2019	Ongoing
WS004	Atlantic Road N of Atlantic Canal; upstream of Outfall 001 (permitted discharge location)	2/Day	15	14	11/29/2019	Ongoing
WS005	South of Facility	On Demand	1	1	11/29/2019	11/29/2019
WS006	N of Hwy 336 in a Controlled Level Water Structure; Outfall 001 canal	2/Day	18	13	11/27/2019	Ongoing
WS007	N end of LNVA Canal to City of Port Neches; Park St. east of Baseball Field; raw water	On Demand	1	1	11/29/2019	11/29/2019
WS008	City of Port Neches Water Plant at Drinking Water Faucet	On Demand	1	1	11/30/2019	11/30/2019
WS009	Background; Collier's Ferry Park, south of Boat Ramp, Beaumont, TX	On Demand	1	1	12/1/2019	12/1/2019
WS010	TPC effluent to Joint Waste Water Treatment Plant (JWWTP); South of 366	Daily	4	4	12/1/2019	12/5/2019
WS011	TPC Dock; water inlet	On Demand	1	1	12/2/2019	12/2/2019
WS014	Outfall 301; South of TPC facility at drainage culvert; JWWTP discharge from polishing ponds (permitted discharge location)	Daily	4	3	12/3/2019	Ongoing
WS015	Outfall 201 (Permitted discharge); SE corner of TPC facility	Daily	1	0	12/4/2019	12/4/2019
WS017	JWWTP holding pond	Daily	2	1	12/5/2019	Ongoing
Estimated Totals to Date			**104**	**83**		

*Additional samples may be collected. QC samples may include blanks and duplicates.

Table 2. Surface Water Sample Analytical Methods

Analysis	Method	Laboratory
Volatile Organic Compounds (VOCs) + TICs	EPA SWA-846 8260b	Pace analytical Services
Semi-volatile Organic Compounds (SVOCs)	EPA SWA-846 8270c (SCAN + SIM)	Pace analytical Services
	17 PAH	
Ethylene Glycol	US EPA Methods 8015	Pace analytical Services
Texas Total Petroleum Hydrocarbon (TX-TPH)	TX-1005	Pace analytical Services
PFAS (PFOS, PFOA, PFHxS Only)	EPA 537M	Pace analytical Services
Total Organic Carbon (TOC)	SM 5310C	Pace analytical Services
Oil and Grease	Method 1664	Pace analytical Services
Asbestos	EPA 100.2	EMSL Analytical, Inc.

2.2 Health-Based Screening Comparisons

Surface water sampling results are compared to health-protective screening levels and background concentrations. It is important to note that the methods utilized to analyze surface water are also able to detect compounds unrelated to the TPC fire. Therefore, the detection of a compound does not necessarily mean that the compound is directly related to the incident.

Samples were screened against the TCEQ's Texas Risk Reduction Program (TRRP), risk-based environmental levels (RBELs). If RBELs were not available for a chemical, surface water sampling results were compared against, the Tier 1 Residential Class 3 Groundwater Protective Concentration Levels (PCLs) ($GW_{Class3}3$). The use of the RBELs and the Class 3 residential groundwater data was discussed among and approved by Unified Command.

3.0 Water Sampling Results and Discussion

Two water samples were collected from background locations along the Neches River upstream of the TPC Facility. The first background water sample (WS000) was taken on November 27, 2019, at the Huntsman dock. A second background sample (WS009) was taken on December 1, 2019, at Collier's Ferry Park, on the south side of boat ramp located in Port Neches, Texas. A total of two chemicals were detected in background water samples: total organic carbon and oil and grease. The results of these samples are presented in Attachment C.

This report discusses the analytical surface water sampling data received from PACE Laboratory from December 1, 2019 through December 2, 2019. The results presented in this report have undergone

ED_004207_00000156-00004

preliminary data verification/validation. Attachment A provides maps of the surface water sample locations in and around Port Neches, Texas. Attachment B reports cumulative (November 27, 2019 – December 2, 2019) and daily (December 1-2, 2019) detection summaries for sample results received to date. Full laboratory results, including non-detects, are provided in Attachment C.

In general, samples for WS001, -002, -003, -004, and -006 are collected twice daily, denoted as A or B samples, depending on whether the sample was collected by the A or B sampling teams. The following sample delivery groups (SDG) have not undergone data validation and are not summarized in this report:

- PNTX1201X010 B team samples
- PNTX1202X010 B team samples

A summary of the analytes detected above the RBEL levels is presented in **Table 3.** Only the A team sample results are reported in Table 3, as the B team sample set is undergoing data validation. As such, daily temporal trends are not discussed. Below is a summary of the preliminary findings from the results:

- Only one analyte (MTBE) was detected above the RBEL screening level furthest downstream from the source of release to open water wetlands outlet (WS002) between December 1-2.
- Nine (9) chemicals were detected above the TCEQ RBELs at outfall locations upstream from WS002 (WS006, WS003, WS004, WS001) and were not detected in background samples.
    - Benzene was detected slightly above the screening value (6.12 µg/L) on December 1, 2019 at two locations (WS001, WS006) but was not detected on December 2, 2019. Benzene was not detected in the two sample locations between WS001 and WS006 along the 001 Canal (WS003, WS004), which suggests a possible point source input between WS001 and WS006.
    - MTBE was detected at all locations (WS001, -002, -003, -004, and -006) for both days (Range 17.1 µg/L to 60.3 µg/L). Concentrations of MTBE were consistent along the 001 Canal (WS006, WS003, and WS001), despite increasing distance from the TPC facility. The maximum detected concentration of MTBE was recorded at the 004 outfall along the Neches river, to the northeast of the Huntsman facility, suggesting a potential point source from the Neches river.
    - PAHs (polynuclear aromatic hydrocarbons (PAHs)) (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, and Indeno(1,2,3-cd)pyrene) were detected sporadically above the RBELs at locations downstream along the 001 canal (WS006, WS003, WS004, and WS001), but upstream of WS002 (Range 0.0025 µg/L to 0.419 µg/L). PAH samples were generally above the laboratory detection limit but were often flagged as below the limit of quantitation. Of note, most of the RBEL

ED_004207_00000156-00005

health protective screening values are at the laboratory limit of detection. None of the samples had PAH concentrations above the PCLs for residential ground water (class 3). A concentration gradient, wherein decreasing chemical concentration is measured as the distance from the TPC increases, was not observed. Several fires were reported in the Port Neches area during the incident that were unrelated to the TPC fire. The variability in the PAH results may reflect input from other fires in the area.

CTEH® continues to evaluate the analytical data and collect surface water samples and compare the results against health-protective screening criteria.

Table 3. Summary of Analytes Detected Above Health-based Screening Levels

Analyte	Cas No	Health Based Screening Values RBEL/PCL (µg/L)	Concentrations by Sampling Location (µg/L)										Range (µg/L)
			WS001*		WS002*		WS003*		WS004*		WS006*		
			1-Dec-19	2-Dec-19	1-Dec-19	2-Dec-19	1-Dec-19	2-Dec-19	1-Dec-19	2-Dec-19	1-Dec-19	2-Dec-19	
Benzene	71-43-2	5/500	6.12	NE	NE	NE	NE	NE	NE	NE	6.1	NE	6.1-6.12
Benzo(a)anthracene	56-55-3	0.024/910	NE	0.121	NE	NE	0.387	0.049 (J)	0.124	0.061 (J)	0.064 (J)	0.034 (J)	0.034-0.387
Benzo(a)pyrene	50-32-8	0.0025/20	NE	0.159	NE	NE	0.419	NE	0.112	0.034 (J)	0.046 (J)	0.025 (J)	0.025-0.419
Benzo(b)fluoranthene	205-99-2	0.012/910	NE	0.151	NE	NE	0.362	NE	0.118	0.034 (J)	0.044 (J)	0.023 (J)	0.023 - 0.362
Benzo(k)fluoranthene	207-08-9	0.12/9100	NE	0.186	NE	NE	0.134	NE	NE	NE	NE	NE	0.134-0.186
Dibenz(a,h)anthracene	53-70-3	0.0012/20	NE	0.209	NE	NE	NE	NE	NE	0.028 (J)	NE	NE	0.028-0.209
Indeno(1,2,3-cd)pyrene	193-39-5	0.012/910	NE	0.272	NE	NE	0.265	NE	0.086 (J)	0.033 (J)	0.039 (J)	0.04 (J)	0.033-0.272
tert-Butyl methyl ether (MTBE)	1634-04-4	15/2400	26.6	17.1	60.3	29.9	34.4	36.5	40.8	36	37.1	32.7	17.1-60.3

NE = not exceeded.

* one out of two daily samples collected are reported. Second sample is undergoing QA/QC verification/validation.

** Does not include data for the following samples: 12/01/19 and 12/02/19 across all locations are missing team B results for analyses described in the ESAP.

Attachment A

Surface Water Sampling Locations

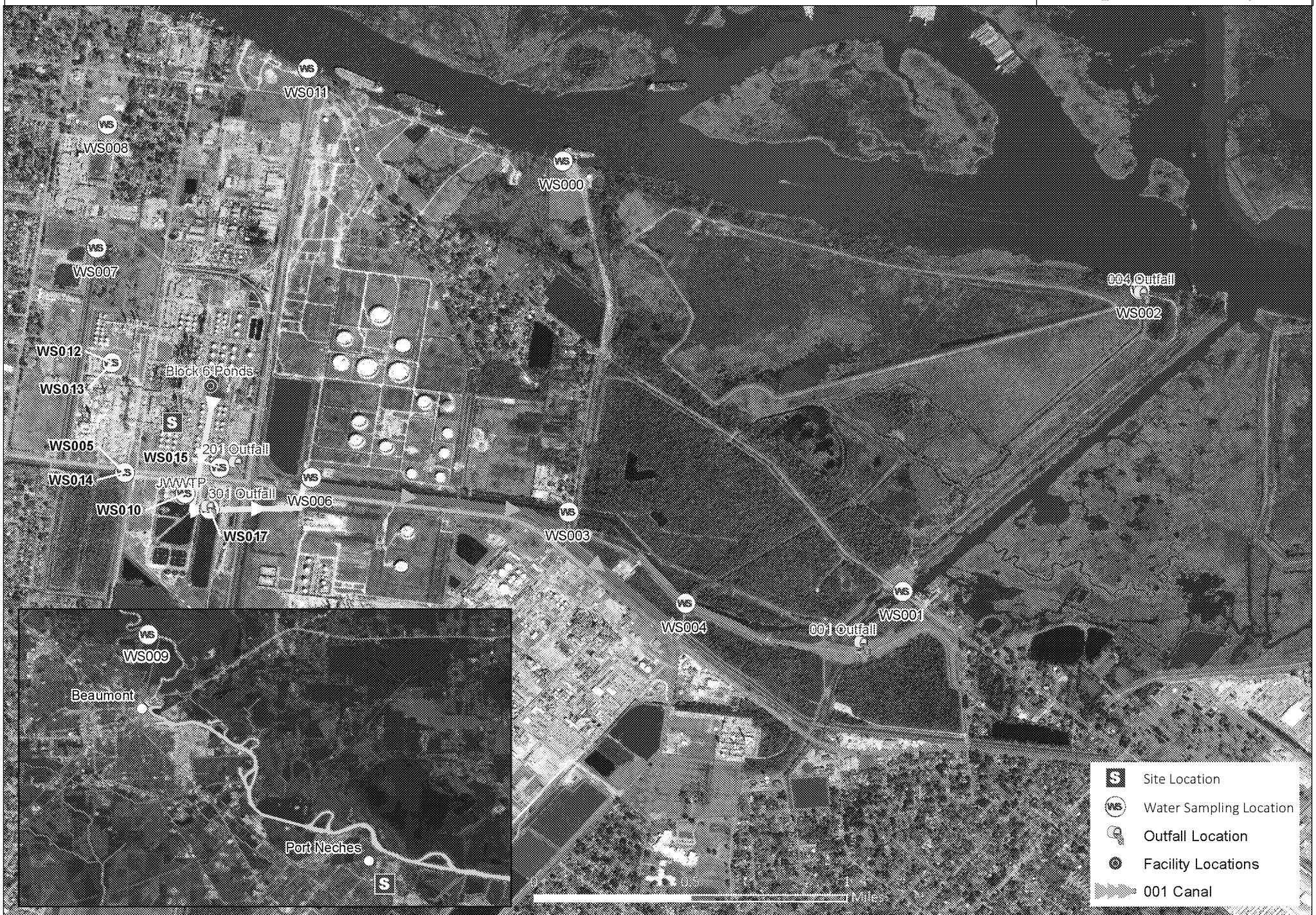
ED_004207_00000156-00008

CTEH

Water Sampling Locations

South 4 Group Fire | Port Neches, TX | 11/27/2019 09:33 - 12/6/2019 06:00 CST

Project: 112312
Client: TPC Group
City: Port Neches, TX
County: Jefferson



Projection System: Datum: GCS WGS 1984

Last Updated: 12/6/2019 4:05:57 PM

*GPS Coordinates are Approximate

Attachment B

Summary Water Data

ED_004207_00000156-00010

South 4 Group Fire

Analytical Water Sampling Detection Summary | December 01, 2019*

Analyte	Screening Value	Count of Samples	Count of Detections	Average of Detections	Detection Range
1-Methylnaphthalene	3.1 µg/L	13	10	0.3796	0.08 - 0.595 ug/L
1,2,4-Trimethylbenzene	83000 µg/L	13	5	0.4136	0.27 J - 0.796 J ug/L
2-Butanone	1500000 µg/L	13	8	5.11375	3.58 - 8.26 ug/L
2-Methylnaphthalene	9800 µg/L	13	11	0.398272727	0.05 - 0.678 ug/L
>C12-C28	n/a	13	5	27,772	1,270 - 83,600 ug/L
Acenaphthene	70 µg/L	13	12	0.180833333	0.082 J - 0.32 J ug/L
Acenaphthylene	n/a	13	12	1.595083333	0.233 - 4.09 ug/L
Acetone	n/a	13	13	5.295384615	1.11 - 9.52 ug/L
Anthracene	1109 µg/L	13	10	0.2977	0.058 - 0.846 ug/L
Benzene	5 µg/L	13	12	3.246	0.542 - 7.18 ug/L
Benzo(a)anthracene	0.024 µg/L	13	9	0.179444444	0.027 J - 0.405 J ug/L
Benzo(a)pyrene	0.0025 µg/L	13	8	0.216	0.044 - 0.503 ug/L
Benzo(b)fluoranthene	0.012 µg/L	13	8	0.187375	0.041 - 0.392 ug/L
Benzo(g,h,i)perylene	73000 µg/L	13	8	0.1925	0.035 J - 0.461 J ug/L
Benzo(k)fluoranthene	0.12 µg/L	13	6	0.078833333	0.042 - 0.134 ug/L
Bromodichloromethane	n/a	13	2	0.3465	0.266 J - 0.427 J ug/L
C6-C12	n/a	13	2	9,790	4,480 - 15,100 ug/L
Chloroform	70 µg/L	13	10	5.599	1.39 - 10.5 ug/L
Chrysene	2.45 µg/L	13	8	0.201	0.039 - 0.391 ug/L
Ethylbenzene	700 µg/L	13	11	2.78	0.434 - 20.7 ug/L
Ethylene Glycol	46.744 mg/L	13	9	0.487444444	0.315 - 0.855 mg/L
Fluoranthene	20 µg/L	13	10	0.8247	0.146 - 2.11 ug/L
Fluorene	50 µg/L	13	12	0.456	0.063 - 1.02 ug/L
Indeno(1,2,3-cd)pyrene	0.012 µg/L	13	8	0.146125	0.03 - 0.356 ug/L
m,p-Xylene	n/a	13	11	1.469636364	0.396 - 5.8 ug/L
Methylene chloride	n/a	13	6	0.706333333	0.454 J - 1.16 J ug/L
Naphthalene	49000 µg/L	13	12	2.543916667	0.387 - 4.95 ug/L
o-Xylene	100000 µg/L	13	10	0.7775	0.224 - 3.18 ug/L
Oil and Grease	n/a	13	6	2.133333333	1.7 - 2.7 mg/L
PFHxS	n/a	13	12	220.525	54 - 1,180 ng/L
PFOA	n/a	13	12	22.383333333	15.4 - 33.6 ng/L
PFOS	n/a	13	13	410.9076923..	1.8 - 1,200 ng/L
Phenanthrene	n/a	13	10	1.8537	0.465 - 4.09 ug/L
Pyrene	20 µg/L	13	10	0.94	0.175 - 2.61 ug/L
Styrene	10000 µg/L	13	11	2.231181818	0.325 - 8.98 ug/L
tert-Butyl methyl ether (MTBE)	15 µg/L	13	12	37.975	24.7 - 60.3 ug/L
Toluene	1,000 µg/L	13	10	1.2689	0.606 - 3.09 ug/L
Total Organic Carbon	n/a	13	13	34.086923077	8.83 - 53.4 mg/L
Total TPH (C6-C35)	n/a	13	5	31,694	1,270 - 88,100 ug/L
Trichlorofluoromethane	n/a	13	1	1.28	1.28 J - 1.28 J ug/L
Xylene (total)	1000000 µg/L	13	10	2.3545	0.785 - 8.98 ug/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

South 4 Group Fire

Analytical Water Sampling Detection Summary | December 02, 2019*

Analyte	Screening Value	Count of Samples	Count of Detections	Average of Detections	Detection Range
1-Methylnaphthalene	3.1 µg/L	12	9	0.114666667	0.06 - 0.167 ug/L
1,2,4-Trimethylbenzene	83000 µg/L	12	2	0.226	0.223 J - 0.229 J ug/L
2-Butanone	1500000 µg/L	12	9	8.196666667	3.67 - 34.6 ug/L
2-Chloroethylvinyl ether	n/a	12	7	1.571428571	1 R - 5 R ug/L
2-Methylnaphthalene	9800 µg/L	12	10	0.1183	0.044 - 0.179 ug/L
4-Methyl-2-pentanone	200000 µg/L	12	1	11.9	11.9 J - 11.9 J ug/L
Acenaphthene	70 µg/L	12	10	0.1298	0.04 J - 0.248 J ug/L
Acenaphthylene	n/a	12	11	0.542636364	0.167 - 1.91 ug/L
Acetone	n/a	12	12	16.045833333	1.44 - 114 ug/L
Anthracene	1109 µg/L	12	9	0.102222222	0.045 - 0.315 ug/L
Benzene	5 µg/L	12	10	1.7444	0.304 - 6.32 ug/L
Benzo(a)anthracene	0.024 µg/L	12	8	0.064	0.034 J - 0.121 J ug/L
Benzo(a)pyrene	0.0025 µg/L	12	7	0.064142857	0.024 - 0.159 ug/L
Benzo(b)fluoranthene	0.012 µg/L	12	7	0.058714286	0.023 - 0.151 ug/L
Benzo(g,h,i)perylene	73000 µg/L	12	7	0.072857143	0.029 J - 0.204 J ug/L
Benzo(k)fluoranthene	0.12 µg/L	12	3	0.086	0.032 - 0.186 ug/L
Bromodichloromethane	n/a	12	4	0.43975	0.384 J - 0.544 J ug/L
C6-C12	n/a	12	1	621	621 - 621 ug/L
Chloroform	70 µg/L	12	9	8.857777778	1.12 - 13.2 ug/L
Chrysene	2.45 µg/L	12	8	0.06475	0.03 - 0.16 ug/L
Dibenz(a,h)anthracene	0.0012 µg/L	12	2	0.1185	0.028 - 0.209 ug/L
Ethylbenzene	700 µg/L	12	6	40.515833333	0.25 - 241 ug/L
Ethylene Glycol	46.744 mg/L	12	8	0.543875	0.29 - 0.765 mg/L
Fluoranthene	20 µg/L	12	9	0.203222222	0.075 - 0.669 ug/L
Fluorene	50 µg/L	12	9	0.239444444	0.103 - 0.411 ug/L
Indeno(1,2,3-cd)pyrene	0.012 µg/L	12	7	0.071428571	0.021 - 0.272 ug/L
m,p-Xylene	n/a	12	7	0.595	0.291 - 1.11 ug/L
Methylene chloride	n/a	12	2	0.796	0.766 J - 0.826 J ug/L
n-Butylbenzene	n/a	12	1	0.2	0.2 J - 0.2 J ug/L
Naphthalene	49000 µg/L	12	11	0.674363636	0.304 - 1.99 ug/L
o-Xylene	100000 µg/L	12	3	0.39	0.204 - 0.568 ug/L
Oil and Grease	n/a	12	8	3	1.5 - 5 mg/L
PFHxS	n/a	12	12	96.5	11.4 - 151 ng/L
PFOA	n/a	12	11	20.167272727	6.44 - 39.1 ng/L
PFOS	n/a	12	12	259.7808333...	6.37 - 495 ng/L
Phenanthrene	n/a	12	9	0.596555556	0.268 - 1.6 ug/L
Pyrene	20 µg/L	12	9	0.231111111	0.073 - 0.865 ug/L
Styrene	10000 µg/L	12	6	19.022666667	0.286 - 112 ug/L
tert-Butyl methyl ether (MTBE)	15 µg/L	12	11	30.927272727	16.9 - 39.3 ug/L
Toluene	1,000 µg/L	12	3	0.804666667	0.354 - 1.07 ug/L
Total Organic Carbon	n/a	12	12	32.768333333	9.22 - 46.1 mg/L
Total TPH (C6-C35)	n/a	12	1	621	621 - 621 ug/L
Xylene (total)	1000000 µg/L	12	5	0.9302	0.409 - 1.68 ug/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

South 4 Group Fire

Cumulative Analytical Water Sampling Detection Summary | Data as of 12/6/2019 1:59:07 PM*

Analyte	Screening Value	Count of Samples	Count of Detections	Average of Detections	Detection Range
1-Methylnaphthalene	3.1 µg/L	46	34	0.520088235	0.06 - 3.61 ug/L
1,2,4-Trimethylbenzene	83000 µg/L	47	18	0.492111111	0.208 J - 1.68 J ug/L
2-Butanone	1500000 µg/L	47	31	10.075806452	2.36 - 43.2 ug/L
2-Chloroethylvinyl ether	n/a	47	7	1.571428571	1 R - 5 R ug/L
2-Methylnaphthalene	9800 µg/L	46	36	0.592777778	0.044 - 4.45 ug/L
4-Methyl-2-pentanone	200000 µg/L	47	2	6.246	0.592 J - 11.9 J ug/L
>C12-C28	n/a	47	24	13,118.416666667	149 - 83,600 ug/L
Acenaphthene	70 µg/L	46	39	0.180538462	0.04 J - 0.609 J ug/L
Acenaphthylene	n/a	45	39	1.976384615	0.148 - 23 ug/L
Acetone	n/a	47	45	10.385777778	1.44 - 114 ug/L
Anthracene	1109 µg/L	46	34	0.369852941	0.045 - 2.3 ug/L
Benzene	5 µg/L	47	42	6.992023810	0.273 - 68.2 ug/L
Benzo(a)anthracene	0.024 µg/L	46	33	0.188181818	0.027 J - 1.03 J ug/L
Benzo(a)pyrene	0.0025 µg/L	46	31	0.193516129	0.02 - 1.04 ug/L
Benzo(b)fluoranthene	0.012 µg/L	46	31	0.166129032	0.023 - 0.896 ug/L
Benzo(g,h,i)perylene	73000 µg/L	46	31	0.151064516	0.023 J - 0.575 J ug/L
Benzo(k)fluoranthene	0.12 µg/L	46	18	0.0895	0.031 - 0.385 ug/L
Bromodichloromethane	n/a	47	9	0.980777778	0.245 J - 3.13 J ug/L
C6-C12	n/a	47	5	4,484.8	153 - 15,100 ug/L
Chloroform	70 µg/L	47	37	6.929729730	1.12 - 21.7 ug/L
Chrysene	2.45 µg/L	46	32	0.1926875	0.03 - 0.999 ug/L
Dibenz(a,h)anthracene	0.0012 µg/L	46	4	0.10425	0.028 - 0.209 ug/L
Dibromochloromethane	n/a	47	1	0.476	0.476 J - 0.476 J ug/L
Ethylbenzene	700 µg/L	47	34	9.327705882	0.22 - 241 ug/L
Ethylene Glycol	46.744 mg/L	47	27	0.474185185	0.271 - 0.855 mg/L
Fluoranthene	20 µg/L	46	35	0.921914286	0.025 - 5.49 ug/L
Fluorene	50 µg/L	46	37	0.611216216	0.049 - 4.45 ug/L
Indeno(1,2,3-cd)pyrene	0.012 µg/L	46	30	0.121533333	0.021 - 0.39 ug/L
m,p-Xylene	n/a	47	35	2.440571429	0.291 - 24.1 ug/L
Methylene chloride	n/a	47	24	0.748833333	0.418 J - 1.21 J ug/L
n-Butylbenzene	n/a	47	1	0.2	0.2 J - 0.2 J ug/L
Naphthalene	49000 µg/L	44	40	3.989475	0.139 - 63.8 ug/L
o-Xylene	100000 µg/L	47	29	1.375448276	0.204 - 11.1 ug/L
Oil and Grease	n/a	47	18	3.211111111	1.5 - 11.1 mg/L
PFHxS	n/a	44	42	134.666666667	11.4 - 1,180 ng/L
PFOA	n/a	54	50	21.4694	1.87 - 48 ng/L
PFOS	n/a	51	50	350.1554	1.52 - 1,200 ng/L
Phenanthrene	n/a	46	34	2.171529412	0.268 - 13.6 ug/L
Pyrene	20 µg/L	46	34	1.090382353	0.073 - 6.83 ug/L
Styrene	10000 µg/L	47	34	6.456147059	0.286 - 112 ug/L
tert-Butyl methyl ether (MTBE)	15 µg/L	47	43	50.177209302	2.72 - 122 ug/L
Toluene	1,000 µg/L	47	29	2.294068966	0.354 - 12.3 ug/L
Total Organic Carbon	n/a	47	48	39.092916667	2.01 - 85.3 mg/L
Total TPH (C6-C35)	n/a	47	26	12,974.076923077	149 - 88,100 ug/L
Total Trihalomethanes (Calc.)	n/a	1	1	24	24 - 24 ug/L
Trichlorofluoromethane	n/a	47	1	1.28	1.28 J - 1.28 J ug/L
Xylene (Total)	1000000 µg/L	47	32	3.88865625	0.409 - 35.2 ug/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Attachment C

Analytical Water Data

ED_004207_00000156-00014

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 01, 2019*

		WS001		WS002	
		PNTX1201X001A	PNTX1201X001B	PNTX1201X002A	PNTX1201X002B
Analyte	Screening Value	Pending Validation	Pending Validation	Pending Validation	Pending Validation
1-Methylnaphthalene	3.1 µg/L	0.215 µg/L	0.4 µg/L	< 0.041 µg/L	< 0.041 µg/L
1,1-Dichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,1-Trichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,1,2-Tetrachloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,2-Trichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,2,2-Tetrachloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dibromo-3-chloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dibromoethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dichlorobenzene	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
1,2-Dichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dichloroethene(Total)	n/a	< 0.4 µg/L	< 0.4 µg/L	< 0.4 µg/L	< 0.4 µg/L
1,2-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2,3-Trichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2,4-Trichlorobenzene	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
1,2,4-Trimethylbenzene	83000 µg/L	0.27 µg/L (J)	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2Diphenylhydrazine/Azobenzen	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
1,3-Dichlorobenzene	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
1,3-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,3,5-Trimethylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,4-Dichlorobenzene	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
2-Butanone	1500000 µg/L	5.56 µg/L	6.13 µg/L	< 0.2 µg/L	< 0.2 µg/L
2-Chloroethylvinyl ether	n/a	< 1 µg/L	< 1 µg/L	< 1 µg/L	< 1 µg/L
2-Chloronaphthalene	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
2-Chlorophenol	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
2-Chlorotoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
2-Hexanone	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
2-Methylnaphthalene	9800 µg/L	0.226 µg/L	0.435 µg/L	< 0.041 µg/L	0.05 µg/L (J)
2-Nitroaniline	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
2-Nitrophenol	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
2,2-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
2,4-Dichlorophenol	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
2,4-Dimethylphenol	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
2,4-Dinitrophenol	n/a	< 1.53 µg/L	< 1.52 µg/L	< 1.56 µg/L	< 1.56 µg/L
2,4-Dinitrotoluene	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
2,4,5-Trichlorophenol	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
2,4,6-Trichlorophenol	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
2,6-Dinitrotoluene	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
3-Nitroaniline	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
3,3'-Dichlorobenzidine	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
4-Bromophenyl phenyl ether	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
4-Chloro-3-methylphenol	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
4-Chloroaniline	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
4-Chlorophenyl phenyl ether	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
4-Chlorotoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Isopropyltoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Methyl-2-pentanone	200000 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Nitroaniline	n/a	< 1.53 µg/L	< 1.52 µg/L	< 1.56 µg/L	< 1.56 µg/L
4-Nitrophenol	n/a	< 1.53 µg/L	< 1.52 µg/L	< 1.56 µg/L	< 1.56 µg/L
4,6-Dinitro-2-methylphenol	n/a	< 1.53 µg/L	< 1.52 µg/L	< 1.56 µg/L	< 1.56 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 01, 2019*

		WS003			WS004
		PNTX1201V003B	PNTX1201X003A	PNTX1201X003B	PNTX1201X004A
Analyte	Screening Value	Pending Validation	Pending Validation	Pending Validation	Pending Validation
1-Methylnaphthalene	3.1 µg/L	0.492 µg/L	0.595 µg/L	0.498 µg/L	0.412 µg/L
1,1-Dichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,1-Trichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,1,2-Tetrachloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,2-Trichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,2,2-Tetrachloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dibromo-3-chloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dibromoethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dichlorobenzene	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
1,2-Dichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dichloroethene(Total)	n/a	< 0.4 µg/L	< 0.4 µg/L	< 0.4 µg/L	< 0.4 µg/L
1,2-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2,3-Trichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2,4-Trichlorobenzene	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
1,2,4-Trimethylbenzene	83000 µg/L	< 0.2 µg/L	0.342 µg/L (J)	< 0.2 µg/L	0.333 µg/L (J)
1,2Diphenylhydrazine/Azobenzen	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
1,3-Dichlorobenzene	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
1,3-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,3,5-Trimethylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,4-Dichlorobenzene	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
2-Butanone	1500000 µg/L	4.09 µg/L (J)	< 0.2 µg/L	4.42 µg/L (J)	< 0.2 µg/L
2-Chloroethylvinyl ether	n/a	< 1 µg/L	< 1 µg/L	< 1 µg/L	< 1 µg/L
2-Chloronaphthalene	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
2-Chlorophenol	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
2-Chlorotoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
2-Hexanone	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
2-Methylnaphthalene	9800 µg/L	0.596 µg/L	0.679 µg/L	0.57 µg/L	0.492 µg/L
2-Nitroaniline	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
2-Nitrophenol	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
2,2-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
2,4-Dichlorophenol	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
2,4-Dimethylphenol	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
2,4-Dinitrophenol	n/a	< 1.52 µg/L	< 1.53 µg/L	< 1.5 µg/L	< 1.56 µg/L
2,4-Dinitrotoluene	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
2,4,5-Trichlorophenol	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
2,4,6-Trichlorophenol	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
2,6-Dinitrotoluene	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
3-Nitroaniline	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
3,3'-Dichlorobenzidine	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
4-Bromophenyl phenyl ether	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
4-Chloro-3-methylphenol	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
4-Chloroaniline	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
4-Chlorophenyl phenyl ether	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
4-Chlorotoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Isopropyltoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Methyl-2-pentanone	200000 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Nitroaniline	n/a	< 1.52 µg/L	< 1.53 µg/L	< 1.5 µg/L	< 1.56 µg/L
4-Nitrophenol	n/a	< 1.52 µg/L	< 1.53 µg/L	< 1.5 µg/L	< 1.56 µg/L
4,6-Dinitro-2-methylphenol	n/a	< 1.52 µg/L	< 1.53 µg/L	< 1.5 µg/L	< 1.56 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 01, 2019*

		WS004	WS006		WS009
		PNTX1201X004B	PNTX1201X006A	PNTX1201X006B	PNTX1201Y009
Analyte	Screening Value	Pending Validation	Pending Validation	Pending Validation	Pending Validation
1-Methylnaphthalene	3.1 µg/L	0.489 µg/L	0.185 µg/L	0.08 µg/L (J)	< 0.045 µg/L
1,1-Dichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,1-Trichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,1,2-Tetrachloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,2-Trichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,2,2-Tetrachloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dibromo-3-chloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dibromoethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dichlorobenzene	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
1,2-Dichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dichloroethene(Total)	n/a	< 0.4 µg/L	< 0.4 µg/L	< 0.4 µg/L	< 0.4 µg/L
1,2-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2,3-Trichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2,4-Trichlorobenzene	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
1,2,4-Trimethylbenzene	83000 µg/L	0.327 µg/L (J)	0.796 µg/L (J)	< 0.2 µg/L	< 0.2 µg/L
1,2Diphenylhydrazine/Azobenzen	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
1,3-Dichlorobenzene	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
1,3-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,3,5-Trimethylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,4-Dichlorobenzene	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
2-Butanone	1500000 µg/L	3.58 µg/L (J)	4.22 µg/L (J)	4.23 µg/L (J)	< 0.2 µg/L
2-Chloroethylvinyl ether	n/a	< 1 µg/L	< 1 µg/L	< 1 µg/L	< 1 µg/L
2-Chloronaphthalene	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
2-Chlorophenol	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
2-Chlorotoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
2-Hexanone	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
2-Methylnaphthalene	9800 µg/L	0.558 µg/L	0.159 µg/L	0.102 µg/L (J)	< 0.045 µg/L
2-Nitroaniline	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
2-Nitrophenol	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
2,2-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
2,4-Dichlorophenol	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
2,4-Dimethylphenol	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
2,4-Dinitrophenol	n/a	< 1.67 µg/L	< 1.53 µg/L	< 1.5 µg/L	< 1.67 µg/L
2,4-Dinitrotoluene	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
2,4,5-Trichlorophenol	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
2,4,6-Trichlorophenol	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
2,6-Dinitrotoluene	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
3-Nitroaniline	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
3,3'-Dichlorobenzidine	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
4-Bromophenyl phenyl ether	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
4-Chloro-3-methylphenol	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
4-Chloroaniline	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
4-Chlorophenyl phenyl ether	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
4-Chlorotoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Isopropyltoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Methyl-2-pentanone	200000 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Nitroaniline	n/a	< 1.67 µg/L	< 1.53 µg/L	< 1.5 µg/L	< 1.67 µg/L
4-Nitrophenol	n/a	< 1.67 µg/L	< 1.53 µg/L	< 1.5 µg/L	< 1.67 µg/L
4,6-Dinitro-2-methylphenol	n/a	< 1.67 µg/L	< 1.53 µg/L	< 1.5 µg/L	< 1.67 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 01, 2019*

Analyte	Screening Value	WS010 PNTX1201X010 Pending Validation
1-Methylnaphthalene	3.1 µg/L	0.45 µg/L
1,1-Dichloroethane	n/a	< 0.2 µg/L
1,1-Dichloroethene	n/a	< 0.2 µg/L
1,1-Dichloropropene	n/a	< 0.2 µg/L
1,1,1-Trichloroethane	n/a	< 0.2 µg/L
1,1,1,2-Tetrachloroethane	n/a	< 0.2 µg/L
1,1,2-Trichloroethane	n/a	< 0.2 µg/L
1,1,2,2-Tetrachloroethane	n/a	< 0.2 µg/L
1,2-Dibromo-3-chloropropane	n/a	< 0.2 µg/L
1,2-Dibromoethane	n/a	< 0.2 µg/L
1,2-Dichlorobenzene	n/a	< 0.575 µg/L
1,2-Dichloroethane	n/a	< 0.2 µg/L
1,2-Dichloroethene(Total)	n/a	< 0.4 µg/L
1,2-Dichloropropane	n/a	< 0.2 µg/L
1,2,3-Trichloropropane	n/a	< 0.2 µg/L
1,2,4-Trichlorobenzene	n/a	< 0.575 µg/L
1,2,4-Trimethylbenzene	83000 µg/L	< 0.2 µg/L
1,2Diphenylhydrazine/Azobenzen	n/a	< 0.575 µg/L
1,3-Dichlorobenzene	n/a	< 0.575 µg/L
1,3-Dichloropropane	n/a	< 0.2 µg/L
1,3,5-Trimethylbenzene	n/a	< 0.2 µg/L
1,4-Dichlorobenzene	n/a	< 0.575 µg/L
2-Butanone	1500000 µg/L	0.26 µg/L
2-Chloroethylvinyl ether	n/a	< 1 µg/L
2-Chloronaphthalene	n/a	< 0.575 µg/L
2-Chlorophenol	n/a	< 0.575 µg/L
2-Chlorotoluene	n/a	< 0.2 µg/L
2-Hexanone	n/a	< 0.5 µg/L
2-Methylnaphthalene	9800 µg/L	0.475 µg/L
2-Nitroaniline	n/a	< 0.575 µg/L
2-Nitrophenol	n/a	< 0.575 µg/L
2,2-Dichloropropane	n/a	< 0.2 µg/L
2,4-Dichlorophenol	n/a	< 0.575 µg/L
2,4-Dimethylphenol	n/a	< 0.575 µg/L
2,4-Dinitrophenol	n/a	< 1.72 µg/L
2,4-Dinitrotoluene	n/a	< 0.575 µg/L
2,4,5-Trichlorophenol	n/a	< 0.575 µg/L
2,4,6-Trichlorophenol	n/a	< 0.575 µg/L
2,6-Dinitrotoluene	n/a	< 0.575 µg/L
3-Nitroaniline	n/a	< 0.575 µg/L
3,3'-Dichlorobenzidine	n/a	< 0.575 µg/L
4-Bromophenyl phenyl ether	n/a	< 0.575 µg/L
4-Chloro-3-methylphenol	n/a	< 0.575 µg/L
4-Chloroaniline	n/a	< 0.575 µg/L
4-Chlorophenyl phenyl ether	n/a	< 0.575 µg/L
4-Chlorotoluene	n/a	< 0.2 µg/L
4-Isopropyltoluene	n/a	< 0.2 µg/L
4-Methyl-2-pentanone	200000 µg/L	< 0.2 µg/L
4-Nitroaniline	n/a	< 1.72 µg/L
4-Nitrophenol	n/a	< 1.72 µg/L
4,6-Dinitro-2-methylphenol	n/a	< 1.72 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 01, 2019*

		WS001		WS002	
		PNTX1201X001A	PNTX1201X001B	PNTX1201X002A	PNTX1201X002B
Analyte	Screening Value	Pending Validation	Pending Validation	Pending Validation	Pending Validation
>C12-C28	n/a	22,700 µg/L	< 123 µg/L	24 100 µg/L	< 125 µg/L
>C28-C35	n/a	< 125 µg/L	< 123 µg/L	< 130 µg/L	< 125 µg/L
Acenaphthene	70 µg/L	0.082 µg/L (J)	0.156 µg/L	0 32 µg/L	0 211 µg/L
Acenaphthylene	n/a	0.783 µg/L	1.18 µg/L	0.233 µg/L	0.245 µg/L
Acetone	n/a	3.57 µg/L (J)	4 6 µg/L (J)	4.82 µg/L (J)	5 9 µg/L
Acrolein	n/a	< 2.5 µg/L	< 2 5 µg/L	< 2.5 µg/L	< 2 5 µg/L
Acrylonitrile	n/a	< 1 µg/L	< 1 µg/L	< 1 µg/L	< 1 µg/L
Aniline	n/a	< 0 766 µg/L	< 0.758 µg/L	< 0 781 µg/L	< 0 781 µg/L
Anthracene	1109 µg/L	0.058 µg/L (J)	0 094 µg/L (J)	< 0 041 µg/L	< 0.041 µg/L
Benzene	5 µg/L	6.12 µg/L	4 77 µg/L (J)	2.61 µg/L (J)	1 86 µg/L (J)
Benzidine	n/a	< 2 55 µg/L	< 2 53 µg/L	< 2 6 µg/L	< 2 6 µg/L
Benzo(a)anthracene	0 024 µg/L	< 0 026 µg/L	0.027 µg/L (J)	< 0 026 µg/L	< 0 026 µg/L
Benzo(a)pyrene	0.0025 µg/L	< 0 013 µg/L	< 0.013 µg/L	< 0 013 µg/L	< 0 013 µg/L
Benzo(b)fluoranthene	0.012 µg/L	< 0.013 µg/L	< 0.013 µg/L	< 0 013 µg/L	< 0 013 µg/L
Benzo(g,h,i)perylene	73000 µg/L	< 0.013 µg/L	< 0 013 µg/L	< 0 013 µg/L	< 0.013 µg/L
Benzo(k)fluoranthene	0.12 µg/L	< 0.026 µg/L	< 0 026 µg/L	< 0.026 µg/L	< 0.026 µg/L
Benzoic acid	n/a	< 1.53 µg/L	< 1 50 µg/L	< 1.56 µg/L	< 1 56 µg/L
Benzyl alcohol	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0 521 µg/L	< 0 521 µg/L
Bis(2-Chloroethoxy)methane	n/a	< 0 51 µg/L	< 0 505 µg/L	< 0 521 µg/L	< 0 521 µg/L
Bis(2-Chloroethyl)ether	n/a	< 0 51 µg/L	< 0 505 µg/L	< 0 521 µg/L	< 0 521 µg/L
Bis(2-Chloroisopropyl)ether	n/a	< 0 51 µg/L	< 0 505 µg/L	< 0 521 µg/L	< 0 521 µg/L
Bis(2-Ethylhexyl)phthalate	6 µg/L	< 0.255 µg/L	< 0 253 µg/L	< 0.26 µg/L	< 0 26 µg/L
Bromobenzene	n/a	< 0.2 µg/L	< 0 2 µg/L	< 0 2 µg/L	< 0.2 µg/L
Bromochloromethane	n/a	< 0.2 µg/L	< 0 2 µg/L	< 0 2 µg/L	< 0 2 µg/L
Bromodichloromethane	n/a	< 0 2 µg/L	< 0 2 µg/L	< 0 2 µg/L	< 0 2 µg/L
Bromoform	n/a	< 0 25 µg/L	< 0.25 µg/L	< 0 25 µg/L	< 0.25 µg/L
Bromomethane	n/a	< 0 5 µg/L	< 0 5 µg/L	< 0 5 µg/L	< 0 5 µg/L
Butyl benzyl phthalate	n/a	< 0 255 µg/L	< 0 253 µg/L	< 0.26 µg/L	< 0 26 µg/L
C6-C12	n/a	< 116 µg/L	< 106 µg/L	< 111 µg/L	< 108 µg/L
Carbazole	n/a	< 0 51 µg/L	< 0 505 µg/L	< 0 521 µg/L	< 0 521 µg/L
Carbon disulfide	n/a	< 0 2 µg/L	< 0 2 µg/L	< 0 2 µg/L	< 0 2 µg/L
Carbon tetrachloride	n/a	< 0 25 µg/L	< 0.25 µg/L	< 0 25 µg/L	< 0.25 µg/L
Chlorobenzene	n/a	< 0.2 µg/L	< 0 2 µg/L	< 0 2 µg/L	< 0.2 µg/L
Chloroethane	n/a	< 0.25 µg/L	< 0 25 µg/L	< 0.25 µg/L	< 0 25 µg/L
Chloroform	70 µg/L	1.39 µg/L (J)	1.54 µg/L (J)	< 0 2 µg/L	< 0 2 µg/L
Chloromethane	n/a	< 0 2 µg/L	< 0 2 µg/L	< 0 2 µg/L	< 0 2 µg/L
Chrysene	2.45 µg/L	< 0.026 µg/L	< 0 026 µg/L	< 0.026 µg/L	< 0.026 µg/L
cis-1,2-Dichloroethene	n/a	< 0.2 µg/L	< 0 2 µg/L	< 0 2 µg/L	< 0 2 µg/L
cis-1,3-Dichloropropene	n/a	< 0.2 µg/L	< 0 2 µg/L	< 0 2 µg/L	< 0.2 µg/L
Di-n-butyl phthalate	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0 521 µg/L	< 0 521 µg/L
Di-n-octyl phthalate	n/a	< 0.255 µg/L	< 0 253 µg/L	< 0 26 µg/L	< 0 26 µg/L
Dibenz(a,h)anthracene	0.0012 µg/L	< 0.026 µg/L	< 0 026 µg/L	< 0.026 µg/L	< 0.026 µg/L
Dibenzofuran	n/a	< 0 51 µg/L	< 0 505 µg/L	< 0 521 µg/L	< 0 521 µg/L
Dibromochloromethane	n/a	< 0.2 µg/L	< 0 2 µg/L	< 0 2 µg/L	< 0.2 µg/L
Dibromomethane	n/a	< 0.25 µg/L	< 0 25 µg/L	< 0.25 µg/L	< 0 25 µg/L
Dichlorodifluoromethane	n/a	< 0.2 µg/L	< 0 2 µg/L	< 0 2 µg/L	< 0 2 µg/L
Diethyl phthalate	n/a	< 0 51 µg/L	< 0 505 µg/L	< 0 521 µg/L	< 0 521 µg/L
Dimethyl phthalate	n/a	< 0 51 µg/L	< 0 505 µg/L	< 0 521 µg/L	< 0 521 µg/L
Ethylbenzene	700 µg/L	1 µg/L (J)	0.834 µg/L (J)	0 522 µg/L (J)	0 434 µg/L (J)
Ethylene Glycol	46.744 mg/L	< 0 265 mg/L	0.855 mg/L (J)	< 0.265 mg/L	0 511 mg/L (J)
Fluoranthene	20 µg/L	0.146 µg/L	0.248 µg/L	< 0 013 µg/L	< 0 013 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 01, 2019*

		WS003			WS004
		PNTX1201V003B	PNTX1201X003A	PNTX1201X003B	PNTX1201X004A
Analyte	Screening Value	Pending Validation	Pending Validation	Pending Validation	Pending Validation
>C12-C28	n/a	< 125 µg/L	7,190 µg/L	< 129 µg/L	1,270 µg/L (J)
>C28-C35	n/a	< 125 µg/L	< 151 µg/L	< 129 µg/L	< 132 µg/L
Acenaphthene	70 µg/L	0.161 µg/L	0.203 µg/L	0.184 µg/L	0.146 µg/L
Acenaphthylene	n/a	2.14 µg/L	2.65 µg/L	2.18 µg/L	1.87 µg/L
Acetone	n/a	5.43 µg/L	4.38 µg/L (J)	5.41 µg/L	4.66 µg/L (J)
Acrolein	n/a	< 2.5 µg/L	< 2.5 µg/L	< 2.5 µg/L	< 2.5 µg/L
Acrylonitrile	n/a	< 1 µg/L	< 1 µg/L	< 1 µg/L	< 1 µg/L
Aniline	n/a	< 0.758 µg/L	< 0.765 µg/L	< 0.75 µg/L	< 0.781 µg/L
Anthracene	1109 µg/L	0.358 µg/L	0.406 µg/L	0.307 µg/L	0.27 µg/L
Benzene	5 µg/L	2.14 µg/L (J)	1.59 µg/L (J)	2.42 µg/L (J)	2.01 µg/L (J)
Benzidine	n/a	< 2.53 µg/L	< 2.55 µg/L	< 2.5 µg/L	< 2.6 µg/L
Benzo(a)anthracene	0.024 µg/L	0.208 µg/L	0.287 µg/L	0.205 µg/L	0.124 µg/L
Benzo(a)pyrene	0.0025 µg/L	0.231 µg/L	0.419 µg/L	0.243 µg/L	0.112 µg/L
Benzo(b)fluoranthene	0.012 µg/L	0.198 µg/L	0.362 µg/L	0.206 µg/L	0.118 µg/L
Benzo(g,h,i)perylene	73000 µg/L	0.195 µg/L	0.357 µg/L	0.227 µg/L	0.106 µg/L
Benzo(k)fluoranthene	0.12 µg/L	0.059 µg/L (J)	0.134 µg/L	0.062 µg/L (J)	0.042 µg/L (J)
Benzoic acid	n/a	< 1.52 µg/L	< 1.53 µg/L	< 1.5 µg/L	< 1.56 µg/L
Benzyl alcohol	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
Bis(2-Chloroethoxy)methane	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
Bis(2-Chloroethyl)ether	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
Bis(2-Chloroisopropyl)ether	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
Bis(2-Ethylhexyl)phthalate	6 µg/L	< 0.253 µg/L	< 0.255 µg/L	< 0.25 µg/L	< 0.26 µg/L
Bromobenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Bromochloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Bromodichloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Bromoform	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.26 µg/L
Bromomethane	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Butyl benzyl phthalate	n/a	< 0.253 µg/L	< 0.255 µg/L	< 0.25 µg/L	< 0.26 µg/L
C6-C12	n/a	< 107 µg/L	15,100 µg/L	< 111 µg/L	< 114 µg/L
Carbazole	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
Carbon disulfide	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Carbon tetrachloride	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Chlorobenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Chloroethane	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Chloroform	70 µg/L	6.1 µg/L	5.75 µg/L	6.4 µg/L	6.2 µg/L
Chloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Chrysene	2.45 µg/L	0.215 µg/L	0.322 µg/L	0.214 µg/L	0.138 µg/L
cis-1,2-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
cis-1,3-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Di-n-butyl phthalate	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
Di-n-octyl phthalate	n/a	< 0.253 µg/L	< 0.255 µg/L	< 0.25 µg/L	< 0.26 µg/L
Dibenz(a,h)anthracene	0.0012 µg/L	< 0.025 µg/L	< 0.026 µg/L	< 0.025 µg/L	< 0.026 µg/L
Dibenzofuran	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
Dibromochloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Dibromomethane	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Dichlorodifluoromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Diethyl phthalate	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
Dimethyl phthalate	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
Ethylbenzene	700 µg/L	0.596 µg/L (J)	0.75 µg/L (J)	0.549 µg/L (J)	0.733 µg/L (J)
Ethylene Glycol	46.744 mg/L	0.337 mg/L (J)	< 0.265 mg/L	0.483 mg/L (J)	< 0.265 mg/L
Fluoranthene	20 µg/L	0.899 µg/L	1.75 µg/L	0.934 µg/L	0.749 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 01, 2019*

		WS004	WS006		WS009
		PNTX1201X004B	PNTX1201X006A	PNTX1201X006B	PNTX1201Y009
Analyte	Screening Value	Pending Validation	Pending Validation	Pending Validation	Pending Validation
>C12-C28	n/a	< 125 µg/L	88,600 µg/L	< 124 µg/L	< 124 µg/L
>C28-C35	n/a	< 125 µg/L	< 119 µg/L	< 124 µg/L	< 124 µg/L
Acenaphthene	70 µg/L	0.18 µg/L	0.152 µg/L	0.136 µg/L	< 0.014 µg/L
Acenaphthylene	n/a	2.25 µg/L	1.03 µg/L	0.49 µg/L	< 0.045 µg/L
Acetone	n/a	4.94 µg/L (J)	5.73 µg/L	8.77 µg/L	1.11 µg/L (J)
Acrolein	n/a	< 2.5 µg/L	< 2.5 µg/L	< 2.5 µg/L	< 2.5 µg/L
Acrylonitrile	n/a	< 1 µg/L	< 1 µg/L	< 1 µg/L	< 1 µg/L
Aniline	n/a	< 0.833 µg/L	< 0.765 µg/L	< 0.75 µg/L	< 0.833 µg/L
Anthracene	1109 µg/L	0.303 µg/L	0.207 µg/L	0.106 µg/L (J)	< 0.045 µg/L
Benzene	5 µg/L	1.61 µg/L (J)	6.1 µg/L	0.542 µg/L (J)	< 0.2 µg/L
Benzidine	n/a	< 2.78 µg/L	< 2.55 µg/L	< 2.5 µg/L	< 2.78 µg/L
Benzo(a)anthracene	0.024 µg/L	0.144 µg/L	0.064 µg/L (J)	0.051 µg/L (J)	< 0.028 µg/L
Benzo(a)pyrene	0.0025 µg/L	0.13 µg/L	0.046 µg/L (J)	0.044 µg/L (J)	< 0.014 µg/L
Benzo(b)fluoranthene	0.012 µg/L	0.128 µg/L	0.044 µg/L (J)	0.041 µg/L (J)	< 0.014 µg/L
Benzo(g,h,i)perylene	73000 µg/L	0.118 µg/L	0.041 µg/L (J)	0.035 µg/L (J)	< 0.014 µg/L
Benzo(k)fluoranthene	0.12 µg/L	0.048 µg/L (J)	< 0.025 µg/L	< 0.027 µg/L	< 0.028 µg/L
Benzoic acid	n/a	< 1.67 µg/L	< 1.53 µg/L	< 1.5 µg/L	< 1.67 µg/L
Benzyl alcohol	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
Bis(2-Chloroethoxy)methane	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
Bis(2-Chloroethyl)ether	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
Bis(2-Chloroisopropyl)ether	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
Bis(2-Ethylhexyl)phthalate	6 µg/L	< 0.278 µg/L	< 0.255 µg/L	< 0.25 µg/L	< 0.278 µg/L
Bromobenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Bromochloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Bromodichloromethane	n/a	0.266 µg/L (J)	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Bromoform	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Bromomethane	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Butyl benzyl phthalate	n/a	< 0.278 µg/L	< 0.255 µg/L	< 0.25 µg/L	< 0.278 µg/L
C6-C12	n/a	< 108 µg/L	4,450 µg/L	< 107 µg/L	< 107 µg/L
Carbazole	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
Carbon disulfide	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Carbon tetrachloride	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Chlorobenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Chloroethane	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Chloroform	70 µg/L	6.11 µg/L	4.89 µg/L (J)	10.5 µg/L	< 0.2 µg/L
Chloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Chrysene	2.45 µg/L	0.161 µg/L	0.065 µg/L (J)	0.039 µg/L (J)	< 0.028 µg/L
cis-1,2-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
cis-1,3-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Di-n-butyl phthalate	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
Di-n-octyl phthalate	n/a	< 0.278 µg/L	< 0.255 µg/L	< 0.25 µg/L	< 0.278 µg/L
Dibenz(a,h)anthracene	0.0012 µg/L	< 0.025 µg/L	< 0.025 µg/L	< 0.027 µg/L	< 0.028 µg/L
Dibenzofuran	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
Dibromochloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Dibromomethane	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Dichlorodifluoromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Diethyl phthalate	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
Dimethyl phthalate	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
Ethylbenzene	700 µg/L	0.722 µg/L (J)	3.74 µg/L (J)	< 0.2 µg/L	< 0.2 µg/L
Ethylene Glycol	46.744 mg/L	0.395 mg/L (J)	0.493 mg/L (J)	0.429 mg/L (J)	0.315 mg/L (J)
Fluoranthene	20 µg/L	0.815 µg/L	0.36 µg/L	0.236 µg/L	< 0.014 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 01, 2019*

Analyte	Screening Value	WS010 PNTX1201X010 Pending Validation
>C12-C28	n/a	< 123 µg/L
>C28-C35	n/a	< 123 µg/L
Acenaphthene	70 µg/L	0.149 µg/L
Acenaphthylene	n/a	4.03 µg/L
Acetone	n/a	9.52 µg/L
Acrolein	n/a	< 2.5 µg/L
Acrylonitrile	n/a	< 1 µg/L
Aniline	n/a	< 0.862 µg/L
Anthracene	1109 µg/L	0.846 µg/L
Benzene	5 µg/L	7.15 µg/L
Benzidine	n/a	< 2.57 µg/L
Benzo(a)anthracene	0.024 µg/L	0.405 µg/L
Benzo(a)pyrene	0.0025 µg/L	0.503 µg/L
Benzo(b)fluoranthene	0.012 µg/L	0.392 µg/L
Benzo(g,h,i)perylene	73000 µg/L	0.461 µg/L
Benzo(k)fluoranthene	0.12 µg/L	0.125 µg/L
Benzoic acid	n/a	< 1.72 µg/L
Benzyl alcohol	n/a	< 0.575 µg/L
Bis(2-Chloroethoxy)methane	n/a	< 0.575 µg/L
Bis(2-Chloroethyl)ether	n/a	< 0.575 µg/L
Bis(2-Chloroisopropyl)ether	n/a	< 0.575 µg/L
Bis(2-Ethylhexyl)phthalate	6 µg/L	< 0.287 µg/L
Bromobenzene	n/a	< 0.2 µg/L
Bromochloromethane	n/a	< 0.2 µg/L
Bromodichloromethane	n/a	0.427 µg/L (J)
Bromoform	n/a	< 0.15 µg/L
Bromomethane	n/a	< 0.5 µg/L
Butyl benzyl phthalate	n/a	< 0.287 µg/L
C6-C12	n/a	< 105 µg/L
Carbazole	n/a	< 0.575 µg/L
Carbon disulfide	n/a	< 0.2 µg/L
Carbon tetrachloride	n/a	< 0.15 µg/L
Chlorobenzene	n/a	< 0.2 µg/L
Chloroethane	n/a	< 0.25 µg/L
Chloroform	70 µg/L	7.01 µg/L
Chloromethane	n/a	< 0.2 µg/L
Chrysene	2.45 µg/L	0.391 µg/L
cis-1,2-Dichloroethene	n/a	< 0.2 µg/L
cis-1,3-Dichloropropene	n/a	< 0.2 µg/L
Di-n-butyl phthalate	n/a	< 0.575 µg/L
Di-n-octyl phthalate	n/a	< 0.287 µg/L
Dibenz(a,h)anthracene	0.0012 µg/L	< 0.015 µg/L
Dibenzofuran	n/a	< 0.575 µg/L
Dibromochloromethane	n/a	< 0.2 µg/L
Dibromomethane	n/a	< 0.25 µg/L
Dichlorodifluoromethane	n/a	< 0.2 µg/L
Diethyl phthalate	n/a	< 0.575 µg/L
Dimethyl phthalate	n/a	< 0.575 µg/L
Ethylbenzene	700 µg/L	20.7 µg/L
Ethylene Glycol	46.744 mg/L	0.569 mg/L (J)
Fluoranthene	20 µg/L	2.11 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 01, 2019*

		WS001		WS002	
		PNTX1201X001A	PNTX1201X001B	PNTX1201X002A	PNTX1201X002B
Analyte	Screening Value	Pending Validation	Pending Validation	Pending Validation	Pending Validation
Fluorene	50 µg/L	0.209 µg/L	0.446 µg/L	0.063 µg/L (J)	0.077 µg/L (J)
Hexachlorobenzene	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
Hexachlorobutadiene	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
Hexachlorocyclopentadiene	n/a	< 1.53 µg/L	< 1.52 µg/L	< 1.56 µg/L	< 1.56 µg/L
Hexachloroethane	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
Indeno(1,2,3-cd)pyrene	0.012 µg/L	< 0.013 µg/L	< 0.015 µg/L	< 0.013 µg/L	< 0.015 µg/L
Isophorone	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
Isopropylbenzene (Cumene)	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
m,p-Cresol	n/a	< 0.255 µg/L	< 0.253 µg/L	< 0.26 µg/L	< 0.26 µg/L
m,p-Xylene	n/a	1.74 µg/L (J)	1.24 µg/L (J)	0.814 µg/L (J)	0.561 µg/L (J)
Methyl iodide	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Methylene chloride	n/a	0.454 µg/L (J)	< 0.2 µg/L	0.543 µg/L (J)	< 0.2 µg/L
n-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
n-Nitrosodi-n-propylamine	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
n-Nitrosodimethylamine	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
n-Nitrosodiphenylamine	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
n-Propylbenzene	n/a	< 1 µg/L	< 1 µg/L	< 1 µg/L	< 1 µg/L
Naphthalene	49000 µg/L	13 µg/L	11.9 µg/L	10.2 µg/L	10.1 µg/L
Nitrobenzene	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
o-Cresol	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
o-Xylene	100000 µg/L	0.909 µg/L (J)	0.618 µg/L (J)	0.291 µg/L (J)	0.224 µg/L (J)
Oil and Grease	n/a	< 1.5 mg/L	< 1.5 mg/L	1.8 mg/L (J)	< 1.6 mg/L
Pentachlorophenol	n/a	< 0.51 µg/L	3.76 µg/L (J)	< 0.521 µg/L	< 0.521 µg/L
PFHxS	n/a	111 ng/L	1,150 ng/L	238 ng/L	205 ng/L
PFOA	n/a	17.1 ng/L	15.4 ng/L	30.8 ng/L	23.8 ng/L
PFOS	n/a	459 ng/L	384 ng/L	512 ng/L	406 ng/L
Phenanthrene	n/a	0.55 µg/L	0.931 µg/L	< 0.013 µg/L	< 0.015 µg/L
Phenol	n/a	< 0.51 µg/L	< 0.505 µg/L	< 0.521 µg/L	< 0.521 µg/L
Pyrene	20 µg/L	0.175 µg/L	0.3 µg/L	< 0.026 µg/L	< 0.026 µg/L
Pyridine	n/a	< 1.53 µg/L	< 1.52 µg/L	< 1.56 µg/L	< 1.56 µg/L
sec-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Styrene	10000 µg/L	1.5 µg/L (J)	1.05 µg/L (J)	0.476 µg/L (J)	0.325 µg/L (J)
tert-Butyl methyl ether (MTBE)	15 µg/L	26.6 µg/L	24.7 µg/L	60.3 µg/L	47.7 µg/L
tert-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Tetrachloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Toluene	1,000 µg/L	1.6 µg/L (J)	1.46 µg/L (J)	1.58 µg/L (J)	1.28 µg/L (J)
Total Organic Carbon	n/a	39.7 mg/L	52.1 mg/L	53.4 mg/L	49.1 mg/L
Total TPH (C6-C35)	n/a	22,700 µg/L	< 106 µg/L	24,100 µg/L	< 108 µg/L
trans-1,2-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
trans-1,3-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
trans-1,4-Dichloro-2-butene	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Trichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Trichlorofluoromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Trichlorotrifluoroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Vinyl acetate	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Vinyl chloride	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Xylene (total)	1000000 µg/L	2.65 µg/L (J)	1.86 µg/L (J)	1.11 µg/L (J)	0.785 µg/L (J)

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 01, 2019*

		WS003			WS004
		PNTX1201V003B	PNTX1201X003A	PNTX1201X003B	PNTX1201X004A
Analyte	Screening Value	Pending Validation	Pending Validation	Pending Validation	Pending Validation
Fluorene	50 µg/L	0.621 µg/L	0.869 µg/L	0.654 µg/L	0.502 µg/L
Hexachlorobenzene	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
Hexachlorobutadiene	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
Hexachlorocyclopentadiene	n/a	< 1.52 µg/L	< 1.53 µg/L	< 1.5 µg/L	< 1.56 µg/L
Hexachloroethane	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
Indeno(1,2,3-cd)pyrene	0.012 µg/L	0.144 µg/L	0.265 µg/L	0.152 µg/L	0.086 µg/L (J)
Isophorone	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
Isopropylbenzene (Cumene)	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
m,p-Cresol	n/a	< 0.253 µg/L	< 0.255 µg/L	< 0.25 µg/L	< 0.26 µg/L
m,p-Xylene	n/a	0.995 µg/L (J)	1.32 µg/L (J)	1.1 µg/L (J)	1.06 µg/L (J)
Methyl iodide	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Methylene chloride	n/a	1.16 µg/L (J)	0.798 µg/L (J)	0.732 µg/L (J)	< 0.2 µg/L
n-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
n-Nitrosodi-n-propylamine	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
n-Nitrosodimethylamine	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
n-Nitrosodiphenylamine	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
n-Propylbenzene	n/a	< 1 µg/L	< 1 µg/L	< 1 µg/L	< 1 µg/L
Naphthalene	49000 µg/L	11.3 µg/L	12.7 µg/L	11.4 µg/L	11.9 µg/L
Nitrobenzene	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
o-Cresol	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
o-Xylene	100000 µg/L	0.364 µg/L (J)	0.577 µg/L (J)	0.528 µg/L (J)	0.548 µg/L (J)
Oil and Grease	n/a	2 mg/L (J)	2.7 mg/L (J)	2.7 mg/L (J)	< 1.7 mg/L
Pentachlorophenol	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
PFHxS	n/a	118 ng/L	120 ng/L	119 ng/L	150 ng/L
PFOA	n/a	21.5 ng/L	21.2 ng/L	21 ng/L	26.2 ng/L
PFOS	n/a	367 ng/L	264 ng/L	367 ng/L	293 ng/L
Phenanthrene	n/a	2.17 µg/L	3.14 µg/L	2.21 µg/L	1.79 µg/L
Phenol	n/a	< 0.505 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.521 µg/L
Pyrene	20 µg/L	1.06 µg/L	1.92 µg/L	1.11 µg/L	0.727 µg/L
Pyridine	n/a	< 1.52 µg/L	< 1.53 µg/L	< 1.5 µg/L	< 1.56 µg/L
sec-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Styrene	10000 µg/L	0.89 µg/L (J)	0.973 µg/L (J)	1.06 µg/L (J)	1.02 µg/L (J)
tert-Butyl methyl ether (MTBE)	15 µg/L	31.5 µg/L	34.4 µg/L	32.6 µg/L	40.3 µg/L
tert-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Tetrachloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Toluene	1,000 µg/L	0.606 µg/L (J)	0.684 µg/L (J)	0.663 µg/L (J)	0.8 µg/L (J)
Total Organic Carbon	n/a	32.1 mg/L	33.9 mg/L	33.1 mg/L	30.9 mg/L
Total TPH (C6-C35)	n/a	< 107 µg/L	22,300 µg/L	< 111 µg/L	1,270 µg/L (J)
trans-1,2-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
trans-1,3-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
trans-1,4-Dichloro-2-butene	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Trichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Trichlorofluoromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Trichlorotrifluoroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Vinyl acetate	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Vinyl chloride	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Xylene (total)	1000000 µg/L	1.36 µg/L (J)	1.89 µg/L (J)	1.63 µg/L (J)	1.61 µg/L (J)

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 01, 2019*

		WS004	WS006		WS009
		PNTX1201X004B	PNTX1201X006A	PNTX1201X006B	PNTX1201Y009
Analyte	Screening Value	Pending Validation	Pending Validation	Pending Validation	Pending Validation
Fluorene	50 µg/L	0.626 µg/L	0.273 µg/L	0.122 µg/L	< 0.045 µg/L
Hexachlorobenzene	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
Hexachlorobutadiene	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
Hexachlorocyclopentadiene	n/a	< 1.67 µg/L	< 1.53 µg/L	< 1.5 µg/L	< 1.67 µg/L
Hexachloroethane	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
Indeno(1,2,3-cd)pyrene	0.012 µg/L	0.097 µg/L (J)	0.039 µg/L (J)	0.03 µg/L (J)	< 0.014 µg/L
Isophorone	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
Isopropylbenzene (Cumene)	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
m,p-Cresol	n/a	< 0.278 µg/L	< 0.255 µg/L	< 0.25 µg/L	< 0.278 µg/L
m,p-Xylene	n/a	1.14 µg/L (J)	5.8 µg/L (J)	< 0.2 µg/L	< 0.2 µg/L
Methyl iodide	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Methylene chloride	n/a	0.551 µg/L (J)	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
n-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
n-Nitrosodi-n-propylamine	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
n-Nitrosodimethylamine	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
n-Nitrosodiphenylamine	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
n-Propylbenzene	n/a	< 1 µg/L	< 1 µg/L	< 1 µg/L	< 1 µg/L
Naphthalene	49000 µg/L	11.5 µg/L	37.7 µg/L	< 0.2 µg/L	< 0.2 µg/L
Nitrobenzene	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
o-Cresol	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
o-Xylene	100000 µg/L	0.536 µg/L (J)	3.18 µg/L (J)	< 0.2 µg/L	< 0.2 µg/L
Oil and Grease	n/a	< 1.7 mg/L	1.7 mg/L (J)	< 1.5 mg/L	< 1.6 mg/L
Pentachlorophenol	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
PFHxS	n/a	120 ng/L	76.2 ng/L	126 ng/L	< 1.64 ng/L
PFOA	n/a	22.6 ng/L	16.3 ng/L	33.6 ng/L	< 1.6 ng/L
PFOS	n/a	261 ng/L	1,200 ng/L	397 ng/L	1.8 ng/L (J)
Phenanthrene	n/a	2.22 µg/L	0.971 µg/L	0.465 µg/L	< 0.014 µg/L
Phenol	n/a	< 0.556 µg/L	< 0.51 µg/L	< 0.5 µg/L	< 0.556 µg/L
Pyrene	20 µg/L	0.914 µg/L	0.34 µg/L	0.234 µg/L	< 0.028 µg/L
Pyridine	n/a	< 1.67 µg/L	< 1.53 µg/L	< 1.5 µg/L	< 1.67 µg/L
sec-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Styrene	10000 µg/L	0.899 µg/L (J)	7.37 µg/L	< 0.2 µg/L	< 0.2 µg/L
tert-Butyl methyl ether (MTBE)	15 µg/L	34.7 µg/L	37.1 µg/L	43 µg/L	< 0.2 µg/L
tert-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Tetrachloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Toluene	1,000 µg/L	0.926 µg/L (J)	3.09 µg/L (J)	< 0.2 µg/L	< 0.2 µg/L
Total Organic Carbon	n/a	27.7 mg/L	58.1 mg/L	24.1 mg/L	5.82 mg/L
Total TPH (C6-C35)	n/a	< 106 µg/L	98,100 µg/L	< 107 µg/L	< 107 µg/L
trans-1,2-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
trans-1,3-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
trans-1,4-Dichloro-2-butene	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Trichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Trichlorofluoromethane	n/a	< 0.2 µg/L	1.28 µg/L (J)	< 0.2 µg/L	< 0.2 µg/L
Trichlorotrifluoroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Vinyl acetate	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Vinyl chloride	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Xylene (total)	1000000 µg/L	1.67 µg/L (J)	8.98 µg/L (J)	< 0.4 µg/L	< 0.4 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 01, 2019*

Analyte	Screening Value	WS010 PNTX1201X010 Pending Validation
Fluorene	50 µg/L	1.02 µg/L
Hexachlorobenzene	n/a	< 0.575 µg/L
Hexachlorobutadiene	n/a	< 0.575 µg/L
Hexachlorocyclopentadiene	n/a	< 1.73 µg/L
Hexachloroethane	n/a	< 0.575 µg/L
Indeno(1,2,3-cd)pyrene	0.012 µg/L	0.356 µg/L
Isophorone	n/a	< 0.575 µg/L
Isopropylbenzene (Cumene)	n/a	< 0.2 µg/L
m,p-Cresol	n/a	< 0.287 µg/L
m,p-Xylene	n/a	0.396 µg/L (J)
Methyl iodide	n/a	< 0.5 µg/L
Methylene chloride	n/a	< 0.2 µg/L
n-Butylbenzene	n/a	< 0.2 µg/L
n-Nitrosodi-n-propylamine	n/a	< 0.575 µg/L
n-Nitrosodimethylamine	n/a	< 0.575 µg/L
n-Nitrosodiphenylamine	n/a	< 0.575 µg/L
n-Propylbenzene	n/a	< 1 µg/L
Naphthalene	49000 µg/L	13 µg/L
Nitrobenzene	n/a	< 0.575 µg/L
o-Cresol	n/a	< 0.575 µg/L
o-Xylene	100000 µg/L	< 0.2 µg/L
Oil and Grease	n/a	1.9 mg/L (J)
Pentachlorophenol	n/a	< 0.575 µg/L
PFHxS	n/a	54 ng/L
PFOA	n/a	19.1 ng/L
PFOS	n/a	440 ng/L
Phenanthrene	n/a	4.09 µg/L
Phenol	n/a	< 0.575 µg/L
Pyrene	20 µg/L	2.61 µg/L
Pyridine	n/a	< 1.72 µg/L
sec-Butylbenzene	n/a	< 0.2 µg/L
Styrene	10000 µg/L	9.99 µg/L
tert-Butyl methyl ether (MTBE)	15 µg/L	42.3 µg/L
tert-Butylbenzene	n/a	< 0.2 µg/L
Tetrachloroethene	n/a	< 0.2 µg/L
Toluene	1,000 µg/L	< 0.2 µg/L
Total Organic Carbon	n/a	36.1 mg/L
Total TPH (C6-C35)	n/a	< 106 µg/L
trans-1,2-Dichloroethene	n/a	< 0.2 µg/L
trans-1,3-Dichloropropene	n/a	< 0.2 µg/L
trans-1,4-Dichloro-2-butene	n/a	< 0.5 µg/L
Trichloroethene	n/a	< 0.2 µg/L
Trichlorofluoromethane	n/a	< 0.2 µg/L
Trichlorotrifluoroethane	n/a	< 0.2 µg/L
Vinyl acetate	n/a	< 0.2 µg/L
Vinyl chloride	n/a	< 0.2 µg/L
Xylene (total)	1000000 µg/L	< 0.4 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 02, 2019*

		WS001		WS002	
		PNTX1202X001A	PNTX1202X001B	PNTX1202X002A	PNTX1202X002B
Analyte	Screening Value	Pending Validation	Level 2 Verified	Pending Validation	Level 2 Verified
1-Methylnaphthalene	3.1 µg/L	0.125 µg/L	0.108 µg/L (J)	< 0.04 µg/L	< 0.042 µg/L
1,1-Dichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,1-Trichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,1,2-Tetrachloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,2-Trichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,2,2-Tetrachloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dibromo-3-chloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dibromoethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dichlorobenzene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
1,2-Dichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dichloroethene(Total)	n/a	< 0.4 µg/L	< 0.4 µg/L	< 0.4 µg/L	< 0.4 µg/L
1,2-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2,3-Trichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2,4-Trichlorobenzene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
1,2,4-Trimethylbenzene	83000 µg/L	0.223 µg/L (J)	0.229 µg/L (J)	< 0.2 µg/L	< 0.2 µg/L
1,2Diphenylhydrazine/Azobenzen	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
1,3-Dichlorobenzene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
1,3-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,3,5-Trimethylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,4-Dichlorobenzene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
2-Butanone	1500000 µg/L	5.2 µg/L	7.24 µg/L	< 0.2 µg/L	< 0.2 µg/L
2-Chloroethylvinyl ether	n/a	< 1 µg/L	1 µg/L (P)	< 1 µg/L	1 µg/L (P)
2-Chloronaphthalene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
2-Chlorophenol	n/a	< 0.5 µg/L	0.51 µg/L (R)	< 0.505 µg/L	< 0.51 µg/L
2-Chlorotoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
2-Hexanone	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
2-Methylnaphthalene	9800 µg/L	0.117 µg/L	0.1 µg/L (J)	< 0.04 µg/L	0.044 µg/L (J)
2-Nitroaniline	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
2-Nitrophenol	n/a	< 0.5 µg/L	0.51 µg/L (R)	< 0.505 µg/L	< 0.51 µg/L
2,2-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
2,4-Dichlorophenol	n/a	< 0.5 µg/L	0.51 µg/L (P)	< 0.505 µg/L	< 0.51 µg/L
2,4-Dimethylphenol	n/a	< 0.5 µg/L	0.51 µg/L (P)	< 0.505 µg/L	< 0.51 µg/L
2,4-Dinitrophenol	n/a	< 1.5 µg/L	1.53 µg/L (P)	< 1.52 µg/L	< 1.53 µg/L
2,4-Dinitrotoluene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
2,4,5-Trichlorophenol	n/a	< 0.5 µg/L	0.51 µg/L (R)	< 0.505 µg/L	< 0.51 µg/L
2,4,6-Trichlorophenol	n/a	< 0.5 µg/L	0.51 µg/L (R)	< 0.505 µg/L	< 0.51 µg/L
2,6-Dinitrotoluene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
3-Nitroaniline	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
3,3'-Dichlorobenzidine	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
4-Bromophenyl phenyl ether	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
4-Chloro-3-methylphenol	n/a	< 0.5 µg/L	0.51 µg/L (R)	< 0.505 µg/L	< 0.51 µg/L
4-Chloroaniline	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
4-Chlorophenyl phenyl ether	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
4-Chlorotoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Isopropyltoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Methyl-2-pentanone	200000 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Nitroaniline	n/a	< 1.5 µg/L	< 1.53 µg/L	< 1.52 µg/L	< 1.53 µg/L
4-Nitrophenol	n/a	< 1.5 µg/L	1.53 µg/L (P)	7.16 µg/L (J)	< 1.53 µg/L
4,6-Dinitro-2-methylphenol	n/a	< 1.5 µg/L	1.53 µg/L (P)	< 1.52 µg/L	< 1.53 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 02, 2019*

		WS003		WS004	
		PNTX1202X003A	PNTX1202X003B	PNTX1202X004A	PNTX1202X004B
Analyte	Screening Value	Pending Validation	Level 2 Verified	Pending Validation	Level 2 Verified
1-Methylnaphthalene	3.1 µg/L	0.06 µg/L (J)	0.133 µg/L	0.155 µg/L	0.12 µg/L
1,1-Dichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,1-Trichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,1,2-Tetrachloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,2-Trichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,1,2,2-Tetrachloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dibromo-3-chloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dibromoethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dichlorobenzene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
1,2-Dichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2-Dichloroethene(Total)	n/a	< 0.4 µg/L	< 0.4 µg/L	< 0.4 µg/L	< 0.4 µg/L
1,2-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2,3-Trichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2,4-Trichlorobenzene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
1,2,4-Trimethylbenzene	83000 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,2Diphenylhydrazine/Azobenzen	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
1,3-Dichlorobenzene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
1,3-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,3,5-Trimethylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
1,4-Dichlorobenzene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
2-Butanone	1500000 µg/L	5.8 µg/L	3.67 µg/L (J)	4.77 µg/L (J)	4.61 µg/L (J)
2-Chloroethylvinyl ether	n/a	< 1 µg/L	1 µg/L (P)	< 1 µg/L	1 µg/L (P)
2-Chloronaphthalene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
2-Chlorophenol	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
2-Chlorotoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
2-Hexanone	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
2-Methylnaphthalene	9800 µg/L	0.077 µg/L (J)	0.173 µg/L	0.179 µg/L	0.146 µg/L
2-Nitroaniline	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
2-Nitrophenol	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
2,2-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
2,4-Dichlorophenol	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
2,4-Dimethylphenol	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
2,4-Dinitrophenol	n/a	< 1.5 µg/L	< 1.53 µg/L	< 1.53 µg/L	< 1.58 µg/L
2,4-Dinitrotoluene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
2,4,5-Trichlorophenol	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
2,4,6-Trichlorophenol	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
2,6-Dinitrotoluene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
3-Nitroaniline	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
3,3'-Dichlorobenzidine	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
4-Bromophenyl phenyl ether	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
4-Chloro-3-methylphenol	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
4-Chloroaniline	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
4-Chlorophenyl phenyl ether	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
4-Chlorotoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Isopropyltoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Methyl-2-pentanone	200000 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
4-Nitroaniline	n/a	< 1.5 µg/L	< 1.53 µg/L	< 1.53 µg/L	< 1.58 µg/L
4-Nitrophenol	n/a	< 1.5 µg/L	< 1.53 µg/L	< 1.53 µg/L	< 1.58 µg/L
4,6-Dinitro-2-methylphenol	n/a	< 1.5 µg/L	< 1.53 µg/L	< 1.53 µg/L	< 1.58 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 02, 2019*

		WS006		WS010	WS011
		PNTX1202X006A	PNTX1202X006B	PNTX1202X010	PNTX1202X011
Analyte	Screening Value	Pending Validation	Level 2 Verified	Level 2 Verified	Level 2 Verified
1-Methylnaphthalene	3.1 µg/L	0.079 µg/L (J)	0.085 µg/L (J)	0.167 µg/L (J)	< 0.04 µg/L
1,1-Dichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,1-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,1-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,1,1-Trichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,1,1,2-Tetrachloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,1,2-Trichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,1,2,2-Tetrachloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,2-Dibromo-3-chloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,2-Dibromoethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,2-Dichlorobenzene	n/a	< 0.505 µg/L	< 0.5 µg/L	< 1 µg/L	< 0.5 µg/L
1,2-Dichloroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,2-Dichloroethene(Total)	n/a	< 0.4 µg/L	< 0.4 µg/L	< 2 µg/L	< 0.4 µg/L
1,2-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,2,3-Trichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,2,4-Trichlorobenzene	n/a	< 0.505 µg/L	< 0.5 µg/L	< 1 µg/L	< 0.5 µg/L
1,2,4-Trimethylbenzene	83000 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,2Diphenylhydrazine/Azobenzen	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
1,3-Dichlorobenzene	n/a	< 0.505 µg/L	< 0.5 µg/L	< 1 µg/L	< 0.5 µg/L
1,3-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,3,5-Trimethylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
1,4-Dichlorobenzene	n/a	< 0.505 µg/L	< 0.5 µg/L	< 1 µg/L	< 0.5 µg/L
2-Butanone	1500000 µg/L	3.79 µg/L (J)	4.09 µg/L (J)	34.6 µg/L	< 0.2 µg/L
2-Chloroethylvinyl ether	n/a	< 1 µg/L	1 µg/L (P)	5 µg/L (R)	1 µg/L (P)
2-Chloronaphthalene	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
2-Chlorophenol	n/a	< 0.505 µg/L	< 0.5 µg/L	0.5 µg/L (R)	< 0.5 µg/L
2-Chlorotoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
2-Hexanone	n/a	< 0.5 µg/L	< 0.5 µg/L	< 2.5 µg/L	< 0.5 µg/L
2-Methylnaphthalene	9800 µg/L	0.085 µg/L (J)	0.086 µg/L (J)	0.176 µg/L (J)	< 0.04 µg/L
2-Nitroaniline	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
2-Nitrophenol	n/a	< 0.505 µg/L	< 0.5 µg/L	0.5 µg/L (R)	< 0.5 µg/L
2,2-Dichloropropane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
2,4-Dichlorophenol	n/a	< 0.505 µg/L	< 0.5 µg/L	0.5 µg/L (R)	< 0.5 µg/L
2,4-Dimethylphenol	n/a	< 0.505 µg/L	< 0.5 µg/L	0.5 µg/L (R)	< 0.5 µg/L
2,4-Dinitrophenol	n/a	< 1.52 µg/L	< 1.5 µg/L	1.5 µg/L (R)	< 1.5 µg/L
2,4-Dinitrotoluene	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
2,4,5-Trichlorophenol	n/a	< 0.505 µg/L	< 0.5 µg/L	0.5 µg/L (R)	< 0.5 µg/L
2,4,6-Trichlorophenol	n/a	< 0.505 µg/L	< 0.5 µg/L	0.5 µg/L (R)	< 0.5 µg/L
2,6-Dinitrotoluene	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
3-Nitroaniline	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
3,3'-Dichlorobenzidine	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
4-Bromophenyl phenyl ether	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
4-Chloro-3-methylphenol	n/a	< 0.505 µg/L	< 0.5 µg/L	0.5 µg/L (R)	< 0.5 µg/L
4-Chloroaniline	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
4-Chlorophenyl phenyl ether	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
4-Chlorotoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
4-Isopropyltoluene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
4-Methyl-2-pentanone	200000 µg/L	< 0.2 µg/L	< 0.2 µg/L	11.9 µg/L (J)	< 0.2 µg/L
4-Nitroaniline	n/a	< 1.52 µg/L	< 1.5 µg/L	< 1.5 µg/L	< 1.5 µg/L
4-Nitrophenol	n/a	< 1.52 µg/L	< 1.5 µg/L	1.5 µg/L (R)	< 1.5 µg/L
4,6-Dinitro-2-methylphenol	n/a	< 1.52 µg/L	< 1.5 µg/L	1.5 µg/L (R)	< 1.5 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 02, 2019*

		WS001		WS002	
		PNTX1202X001A	PNTX1202X001B	PNTX1202X002A	PNTX1202X002B
Analyte	Screening Value	Pending Validation	Level 2 Verified	Pending Validation	Level 2 Verified
>C12-C28	n/a	< 123 µg/L	< 121 µg/L	< 123 µg/L	< 124 µg/L
>C28-C35	n/a	< 123 µg/L	< 121 µg/L	< 123 µg/L	< 124 µg/L
Acenaphthene	70 µg/L	0.114 µg/L	0.108 µg/L (J)	0.234 µg/L	0.248 µg/L
Acenaphthylene	n/a	0.442 µg/L	0.36 µg/L (J)	0.167 µg/L	0.202 µg/L
Acetone	n/a	3.83 µg/L (J)	6.46 µg/L	7.44 µg/L	9.55 µg/L
Acrolein	n/a	< 2.5 µg/L	< 2.5 µg/L	< 2.5 µg/L	< 2.5 µg/L
Acrylonitrile	n/a	< 1 µg/L	< 1 µg/L	< 1 µg/L	< 1 µg/L
Aniline	n/a	< 0.75 µg/L	< 0.765 µg/L	< 0.758 µg/L	< 0.765 µg/L
Anthracene	1109 µg/L	0.051 µg/L (J)	0.045 µg/L (J)	< 0.04 µg/L	< 0.042 µg/L
Benzene	5 µg/L	2.9 µg/L (J)	3.36 µg/L (J)	0.968 µg/L (J)	0.861 µg/L (J)
Benzidine	n/a	< 2.5 µg/L	< 2.55 µg/L	< 2.52 µg/L	2.55 µg/L (R)
Benzo(a)anthracene	0.024 µg/L	0.121 µg/L	< 0.026 µg/L	< 0.025 µg/L	< 0.026 µg/L
Benzo(a)pyrene	0.0025 µg/L	0.159 µg/L	< 0.013 µg/L	< 0.013 µg/L	< 0.013 µg/L
Benzo(b)fluoranthene	0.012 µg/L	0.151 µg/L	< 0.013 µg/L	< 0.013 µg/L	< 0.013 µg/L
Benzo(g,h,i)perylene	73000 µg/L	0.204 µg/L	< 0.013 µg/L	< 0.013 µg/L	< 0.013 µg/L
Benzo(k)fluoranthene	0.12 µg/L	0.186 µg/L	< 0.025 µg/L	< 0.025 µg/L	< 0.026 µg/L
Benzoic acid	n/a	< 1.5 µg/L	1.52 µg/L (R)	< 1.52 µg/L	< 1.53 µg/L
Benzyl alcohol	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
Bis(2-Chloroethoxy)methane	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
Bis(2-Chloroethyl)ether	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
Bis(2-Chloroisopropyl)ether	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
Bis(2-Ethylhexyl)phthalate	6 µg/L	< 0.25 µg/L	< 0.255 µg/L	< 0.252 µg/L	< 0.255 µg/L
Bromobenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Bromochloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Bromodichloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Bromoform	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Bromomethane	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Butyl benzyl phthalate	n/a	< 0.25 µg/L	< 0.255 µg/L	< 0.252 µg/L	< 0.255 µg/L
C6-C12	n/a	< 1.05 µg/L	< 1.12 µg/L	< 1.05 µg/L	< 1.06 µg/L
Carbazole	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
Carbon disulfide	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Carbon tetrachloride	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Chlorobenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Chloroethane	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Chloroform	70 µg/L	1.12 µg/L (J)	1.59 µg/L (J)	< 0.2 µg/L	< 0.2 µg/L
Chloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Chrysene	2.45 µg/L	0.16 µg/L	< 0.025 µg/L	< 0.025 µg/L	< 0.026 µg/L
cis-1,2-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
cis-1,3-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Di-n-butyl phthalate	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
Di-n-octyl phthalate	n/a	< 0.25 µg/L	< 0.255 µg/L	< 0.253 µg/L	< 0.255 µg/L
Dibenz(a,h)anthracene	0.0012 µg/L	0.209 µg/L	< 0.025 µg/L	< 0.025 µg/L	< 0.026 µg/L
Dibenzofuran	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
Dibromochloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Dibromomethane	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Dichlorodifluoromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Diethyl phthalate	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
Dimethyl phthalate	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
Ethylbenzene	700 µg/L	0.517 µg/L (J)	0.559 µg/L (J)	0.345 µg/L (J)	0.25 µg/L (J)
Ethylene Glycol	46.744 mg/L	0.29 mg/L (J)	0.531 mg/L (J)	< 0.265 mg/L	0.742 mg/L (J)
Fluoranthene	20 µg/L	0.08 µg/L (J)	0.119 µg/L (J)	< 0.013 µg/L	< 0.013 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 02, 2019*

		WS003		WS004	
		PNTX1202X003A	PNTX1202X003B	PNTX1202X004A	PNTX1202X004B
Analyte	Screening Value	Pending Validation	Level 2 Verified	Pending Validation	Level 2 Verified
>C12-C28	n/a	< 123 µg/L	< 127 µg/L	< 125 µg/L	< 126 µg/L
>C28-C35	n/a	< 123 µg/L	< 127 µg/L	< 125 µg/L	< 126 µg/L
Acenaphthene	70 µg/L	< 0.013 µg/L	0.157 µg/L	0.121 µg/L	0.16 µg/L
Acenaphthylene	n/a	0.306 µg/L	0.702 µg/L	0.662 µg/L	0.649 µg/L
Acetone	n/a	7.66 µg/L	5.24 µg/L	7.04 µg/L	4.89 µg/L (J)
Acrolein	n/a	< 2.5 µg/L	< 2.5 µg/L	< 2.5 µg/L	< 2.5 µg/L
Acrylonitrile	n/a	< 1 µg/L	< 1 µg/L	< 1 µg/L	< 1 µg/L
Aniline	n/a	< 0.75 µg/L	< 0.765 µg/L	< 0.765 µg/L	< 0.789 µg/L
Anthracene	1109 µg/L	0.047 µg/L (J)	0.107 µg/L	0.103 µg/L	0.105 µg/L
Benzene	5 µg/L	< 0.2 µg/L	0.354 µg/L (J)	0.726 µg/L (J)	0.401 µg/L (J)
Benzidine	n/a	< 2.5 µg/L	< 2.55 µg/L	< 2.55 µg/L	< 2.65 µg/L
Benzo(a)anthracene	0.024 µg/L	0.049 µg/L (J)	0.05 µg/L (J)	0.061 µg/L (J)	0.034 µg/L (J)
Benzo(a)pyrene	0.0025 µg/L	< 0.013 µg/L	0.044 µg/L (J)	0.034 µg/L (J)	0.024 µg/L (J)
Benzo(b)fluoranthene	0.012 µg/L	< 0.013 µg/L	0.044 µg/L (J)	0.034 µg/L (J)	0.026 µg/L (J)
Benzo(g,h,i)perylene	73000 µg/L	< 0.013 µg/L	0.055 µg/L (J)	0.037 µg/L (J)	0.029 µg/L (J)
Benzo(k)fluoranthene	0.12 µg/L	< 0.025 µg/L	< 0.025 µg/L	0.032 µg/L (J)	< 0.026 µg/L
Benzoic acid	n/a	< 1.5 µg/L	< 1.53 µg/L	< 1.52 µg/L	< 1.58 µg/L
Benzyl alcohol	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
Bis(2-Chloroethoxy)methane	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
Bis(2-Chloroethyl)ether	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
Bis(2-Chloroisopropyl)ether	n/a	0.767 µg/L (J)	< 0.51 µg/L	0.606 µg/L (J)	< 0.526 µg/L
Bis(2-Ethylhexyl)phthalate	6 µg/L	< 0.25 µg/L	< 0.255 µg/L	< 0.255 µg/L	< 0.263 µg/L
Bromobenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Bromochloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Bromodichloromethane	n/a	< 0.2 µg/L	0.409 µg/L (J)	< 0.2 µg/L	0.384 µg/L (J)
Bromoform	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Bromomethane	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Butyl benzyl phthalate	n/a	< 0.25 µg/L	< 0.255 µg/L	< 0.255 µg/L	< 0.263 µg/L
C6-C12	n/a	< 106 µg/L	< 103 µg/L	< 107 µg/L	< 108 µg/L
Carbazole	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
Carbon disulfide	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Carbon tetrachloride	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Chlorobenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Chloroethane	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Chloroform	70 µg/L	11.5 µg/L	10.7 µg/L	9.29 µg/L	10.6 µg/L
Chloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Chrysene	2.45 µg/L	0.035 µg/L (J)	0.055 µg/L (J)	0.052 µg/L (J)	0.03 µg/L (J)
cis-1,2-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
cis-1,3-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Di-n-butyl phthalate	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
Di-n-octyl phthalate	n/a	< 0.25 µg/L	< 0.255 µg/L	< 0.255 µg/L	< 0.262 µg/L
Dibenz(a,h)anthracene	0.0012 µg/L	< 0.025 µg/L	< 0.025 µg/L	0.028 µg/L (J)	< 0.026 µg/L
Dibenzofuran	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
Dibromochloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Dibromomethane	n/a	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Dichlorodifluoromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Diethyl phthalate	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
Dimethyl phthalate	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
Ethylbenzene	700 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Ethylene Glycol	46.744 mg/L	< 0.265 mg/L	0.354 mg/L (J)	< 0.265 mg/L	0.51 mg/L (J)
Fluoranthene	20 µg/L	0.075 µg/L (J)	0.242 µg/L	0.161 µg/L	0.219 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 02, 2019*

		WS006		WS010	WS011
		PNTX1202X006A	PNTX1202X006B	PNTX1202X010	PNTX1202X011
Analyte	Screening Value	Pending Validation	Level 2 Verified	Level 2 Verified	Level 2 Verified
>C12-C28	n/a	< 126 µg/L	< 121 µg/L	< 123 µg/L	< 125 µg/L
>C28-C35	n/a	< 126 µg/L	< 121 µg/L	< 123 µg/L	< 125 µg/L
Acenaphthene	70 µg/L	0.051 µg/L (J)	0.04 µg/L (J)	0.065 µg/L (J)	< 0.012 µg/L
Acenaphthylene	n/a	0.336 µg/L	0.233 µg/L (J)	1.91 µg/L (J)	< 0.04 µg/L
Acetone	n/a	13.3 µg/L	11.5 µg/L	1.14 µg/L	1.44 µg/L (J)
Acrolein	n/a	< 2.5 µg/L	< 2.5 µg/L	< 12.5 µg/L	< 2.5 µg/L
Acrylonitrile	n/a	< 1 µg/L	< 1 µg/L	< 5 µg/L	< 1 µg/L
Aniline	n/a	< 0.758 µg/L	< 0.75 µg/L	< 0.75 µg/L	< 0.75 µg/L
Anthracene	1109 µg/L	0.063 µg/L (J)	0.034 µg/L (J)	0.315 µg/L (J)	< 0.04 µg/L
Benzene	5 µg/L	0.304 µg/L (J)	1.25 µg/L (J)	6.32 µg/L (J)	< 0.2 µg/L
Benzidine	n/a	< 2.53 µg/L	< 2.5 µg/L	< 2.5 µg/L	< 2.5 µg/L
Benzo(a)anthracene	0.024 µg/L	0.034 µg/L (J)	0.056 µg/L (J)	0.107 µg/L (J)	< 0.025 µg/L
Benzo(a)pyrene	0.0025 µg/L	0.025 µg/L (J)	0.05 µg/L (J)	0.113 µg/L (J)	< 0.013 µg/L
Benzo(b)fluoranthene	0.012 µg/L	0.023 µg/L (J)	0.044 µg/L (J)	0.089 µg/L (J)	< 0.012 µg/L
Benzo(g,h,i)perylene	73000 µg/L	0.036 µg/L (J)	0.034 µg/L (J)	0.115 µg/L (J)	< 0.012 µg/L
Benzo(k)fluoranthene	0.12 µg/L	< 0.015 µg/L	< 0.025 µg/L	0.04 µg/L (J)	< 0.025 µg/L
Benzoic acid	n/a	< 1.52 µg/L	< 1.5 µg/L	1.5 µg/L (R)	< 1.5 µg/L
Benzyl alcohol	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Bis(2-Chloroethoxy)methane	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Bis(2-Chloroethyl)ether	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Bis(2-Chloroisopropyl)ether	n/a	0.956 µg/L (J)	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Bis(2-Ethylhexyl)phthalate	6 µg/L	< 0.253 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Bromobenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Bromochloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Bromodichloromethane	n/a	0.544 µg/L (J)	0.422 µg/L (J)	< 1 µg/L	< 0.2 µg/L
Bromoform	n/a	< 0.15 µg/L	< 0.25 µg/L	< 1.25 µg/L	< 0.25 µg/L
Bromomethane	n/a	< 0.5 µg/L	< 0.5 µg/L	< 2.5 µg/L	< 0.5 µg/L
Butyl benzyl phthalate	n/a	< 0.253 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
C6-C12	n/a	< 108 µg/L	< 104 µg/L	621 µg/L (J)	< 108 µg/L
Carbazole	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Carbon disulfide	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Carbon tetrachloride	n/a	< 0.15 µg/L	< 0.25 µg/L	< 1.25 µg/L	< 0.25 µg/L
Chlorobenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Chloroethane	n/a	< 0.25 µg/L	< 0.25 µg/L	< 1.25 µg/L	< 0.25 µg/L
Chloroform	70 µg/L	12.7 µg/L	9.02 µg/L	13.2 µg/L (J)	< 0.2 µg/L
Chloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Chrysene	2.45 µg/L	0.036 µg/L (J)	0.053 µg/L (J)	0.097 µg/L (J)	< 0.025 µg/L
cis-1,2-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
cis-1,3-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Di-n-butyl phthalate	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Di-n-octyl phthalate	n/a	< 0.253 µg/L	< 0.25 µg/L	< 0.25 µg/L	< 0.25 µg/L
Dibenz(a,h)anthracene	0.0012 µg/L	< 0.015 µg/L	< 0.025 µg/L	< 0.025 µg/L	< 0.025 µg/L
Dibenzofuran	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Dibromochloromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Dibromomethane	n/a	< 0.25 µg/L	< 0.25 µg/L	< 1.25 µg/L	< 0.25 µg/L
Dichlorodifluoromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Diethyl phthalate	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Dimethyl phthalate	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Ethylbenzene	700 µg/L	< 0.2 µg/L	0.424 µg/L (J)	241 µg/L	< 0.2 µg/L
Ethylene Glycol	46.744 mg/L	< 0.265 mg/L	0.529 mg/L (J)	0.63 mg/L (J)	0.765 mg/L (J)
Fluoranthene	20 µg/L	0.122 µg/L	0.141 µg/L (J)	0.669 µg/L (J)	< 0.012 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 02, 2019*

		WS001		WS002	
		PNTX1202X001A	PNTX1202X001B	PNTX1202X002A	PNTX1202X002B
Analyte	Screening Value	Pending Validation	Level 2 Verified	Pending Validation	Level 2 Verified
Fluorene	50 µg/L	0.183 µg/L	0.199 µg/L (J)	< 0.04 µg/L	< 0.042 µg/L
Hexachlorobenzene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
Hexachlorobutadiene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
Hexachlorocyclopentadiene	n/a	< 1.5 µg/L	< 1.53 µg/L	< 1.52 µg/L	< 1.53 µg/L
Hexachloroethane	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
Indeno(1,2,3-cd)pyrene	0.012 µg/L	0.272 µg/L	< 0.015 µg/L	< 0.013 µg/L	< 0.015 µg/L
Isophorone	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
Isopropylbenzene (Cumene)	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
m,p-Cresol	n/a	< 0.25 µg/L	0.255 µg/L (R)	< 0.253 µg/L	< 0.255 µg/L
m,p-Xylene	n/a	1.08 µg/L (J)	1.11 µg/L (J)	0.398 µg/L (J)	0.409 µg/L (J)
Methyl iodide	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Methylene chloride	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.676 µg/L
n-Butylbenzene	n/a	< 0.2 µg/L	0.2 µg/L (J)	< 0.2 µg/L	< 0.2 µg/L
n-Nitrosodi-n-propylamine	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
n-Nitrosodimethylamine	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
n-Nitrosodiphenylamine	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
n-Propylbenzene	n/a	< 1 µg/L	< 1 µg/L	< 1 µg/L	< 1 µg/L
Naphthalene	49000 µg/L	10.7 µg/L	3.65 µg/L (J)	1.08 µg/L (J)	1.18 µg/L (J)
Nitrobenzene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.505 µg/L	< 0.51 µg/L
o-Cresol	n/a	< 0.5 µg/L	0.51 µg/L (R)	< 0.505 µg/L	< 0.51 µg/L
o-Xylene	100000 µg/L	0.398 µg/L (J)	0.568 µg/L (J)	< 0.2 µg/L	< 0.2 µg/L
Oil and Grease	n/a	< 1.5 mg/L	< 1.5 mg/L	< 1.5 mg/L	4.5 mg/L (J)
Pentachlorophenol	n/a	< 0.5 µg/L	0.51 µg/L (R)	< 0.505 µg/L	< 0.51 µg/L
PFHxS	n/a	50.4 ng/L	78.9 ng/L	96.1 ng/L	151 ng/L (J)
PFOA	n/a	6.44 ng/L (J)	11.4 ng/L	11.7 ng/L	18.6 ng/L
PFOS	n/a	206 ng/L	332 ng/L	305 ng/L	255 ng/L (J)
Phenanthrene	n/a	0.396 µg/L	0.383 µg/L (J)	< 0.013 µg/L	< 0.015 µg/L
Phenol	n/a	< 0.5 µg/L	0.51 µg/L (R)	< 0.505 µg/L	< 0.51 µg/L
Pyrene	20 µg/L	0.088 µg/L (J)	0.137 µg/L (J)	< 0.025 µg/L	< 0.026 µg/L
Pyridine	n/a	< 1.5 µg/L	< 1.53 µg/L	< 1.52 µg/L	< 1.53 µg/L
sec-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Styrene	10000 µg/L	0.577 µg/L (J)	0.618 µg/L (J)	< 0.2 µg/L	< 0.2 µg/L
tert-Butyl methyl ether (MTBE)	15 µg/L	17.1 µg/L	16.9 µg/L	29.9 µg/L	27.4 µg/L
tert-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Tetrachloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Toluene	1,000 µg/L	1.07 µg/L (J)	< 0.2 µg/L	0.99 µg/L (J)	< 0.2 µg/L
Total Organic Carbon	n/a	31.9 mg/L	32 mg/L	44.6 mg/L	40.7 mg/L
Total TPH (C6-C35)	n/a	< 106 µg/L	< 113 µg/L	< 105 µg/L	< 106 µg/L
trans-1,2-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
trans-1,3-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
trans-1,4-Dichloro-2-butene	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Trichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Trichlorofluoromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Trichlorotrifluoroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Vinyl acetate	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Vinyl chloride	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Xylene (total)	1000000 µg/L	1.48 µg/L (J)	1.68 µg/L (J)	< 0.4 µg/L	0.409 µg/L (J)

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 02, 2019*

		WS003		WS004	
		PNTX1202X003A	PNTX1202X003B	PNTX1202X004A	PNTX1202X004B
Analyte	Screening Value	Pending Validation	Level 2 Verified	Pending Validation	Level 2 Verified
Fluorene	50 µg/L	0.21 µg/L	0.281 µg/L	0.358 µg/L	0.202 µg/L
Hexachlorobenzene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
Hexachlorobutadiene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
Hexachlorocyclopentadiene	n/a	< 1.5 µg/L	< 1.53 µg/L	< 1.53 µg/L	< 1.58 µg/L
Hexachloroethane	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
Indeno(1,2,3-cd)pyrene	0.012 µg/L	< 0.013 µg/L	0.03 µg/L (J)	0.033 µg/L (J)	0.021 µg/L (J)
Isophorone	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
Isopropylbenzene (Cumene)	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
m,p-Cresol	n/a	< 0.25 µg/L	< 0.255 µg/L	< 0.255 µg/L	< 0.262 µg/L
m,p-Xylene	n/a	< 0.2 µg/L	< 0.2 µg/L	0.396 µg/L (J)	0.291 µg/L (J)
Methyl iodide	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Methylene chloride	n/a	< 0.2 µg/L	< 0.2 µg/L	0.826 µg/L (J)	< 0.2 µg/L
n-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
n-Nitrosodi-n-propylamine	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
n-Nitrosodimethylamine	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
n-Nitrosodiphenylamine	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
n-Propylbenzene	n/a	< 1 µg/L	< 1 µg/L	< 1 µg/L	< 1 µg/L
Naphthalene	49000 µg/L	0.564 µg/L (J)	< 0.2 µg/L	1.16 µg/L (J)	< 0.2 µg/L
Nitrobenzene	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
o-Cresol	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
o-Xylene	100000 µg/L	< 0.2 µg/L	< 0.2 µg/L	0.204 µg/L (J)	< 0.2 µg/L
Oil and Grease	n/a	1.5 mg/L (J)	3.4 mg/L (J)	1.6 mg/L (J)	2 mg/L (J)
Pentachlorophenol	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
PFHxS	n/a	88.8 ng/L	135 ng/L	102 ng/L	148 ng/L
PFOA	n/a	12.4 ng/L	39.1 ng/L	16.9 ng/L	35.2 ng/L
PFOS	n/a	165 ng/L	248 ng/L (J)	296 ng/L	274 ng/L
Phenanthrene	n/a	0.265 µg/L	0.654 µg/L	0.629 µg/L	0.726 µg/L
Phenol	n/a	< 0.5 µg/L	< 0.51 µg/L	< 0.51 µg/L	< 0.526 µg/L
Pyrene	20 µg/L	0.073 µg/L (J)	0.261 µg/L	0.158 µg/L	0.21 µg/L
Pyridine	n/a	< 1.5 µg/L	< 1.53 µg/L	< 1.53 µg/L	< 1.58 µg/L
sec-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Styrene	10000 µg/L	< 0.2 µg/L	0.286 µg/L (J)	0.324 µg/L (J)	< 0.2 µg/L
tert-Butyl methyl ether (MTBE)	15 µg/L	36.5 µg/L	34.2 µg/L	36 µg/L	37.9 µg/L
tert-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Tetrachloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Toluene	1,000 µg/L	< 0.2 µg/L	< 0.2 µg/L	0.354 µg/L (J)	< 0.2 µg/L
Total Organic Carbon	n/a	31.4 mg/L	28.9 mg/L	34.2 mg/L	28.1 mg/L
Total TPH (C6-C35)	n/a	< 106 µg/L	< 103 µg/L	< 107 µg/L	< 108 µg/L
trans-1,2-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
trans-1,3-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
trans-1,4-Dichloro-2-butene	n/a	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Trichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Trichlorofluoromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Trichlorotrifluoroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Vinyl acetate	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Vinyl chloride	n/a	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 0.2 µg/L
Xylene (total)	1000000 µg/L	< 0.4 µg/L	< 0.4 µg/L	0.601 µg/L (J)	< 0.4 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Screening Values - Surface Water (Pace) - December 02, 2019*

		WS006		WS010	WS011
		PNTX1202X006A	PNTX1202X006B	PNTX1202X010	PNTX1202X011
Analyte	Screening Value	Pending Validation	Level 2 Verified	Level 2 Verified	Level 2 Verified
Fluorene	50 µg/L	0.203 µg/L	0.103 µg/L (J)	0.411 µg/L (J)	< 0.04 µg/L
Hexachlorobenzene	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Hexachlorobutadiene	n/a	< 0.505 µg/L	< 0.5 µg/L	< 2.5 µg/L	< 0.5 µg/L
Hexachlorocyclopentadiene	n/a	< 1.52 µg/L	< 1.5 µg/L	< 1.5 µg/L	< 1.5 µg/L
Hexachloroethane	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Indeno(1,2,3-cd)pyrene	0.012 µg/L	0.04 µg/L (J)	0.03 µg/L (J)	0.074 µg/L (J)	< 0.015 µg/L
Isophorone	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
Isopropylbenzene (Cumene)	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
m,p-Cresol	n/a	< 0.253 µg/L	< 0.25 µg/L	0.25 µg/L (R)	< 0.25 µg/L
m,p-Xylene	n/a	< 0.2 µg/L	0.481 µg/L (J)	< 1 µg/L	< 0.2 µg/L
Methyl iodide	n/a	< 0.5 µg/L	< 0.5 µg/L	< 2.5 µg/L	< 0.5 µg/L
Methylene chloride	n/a	0.766 µg/L (J)	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
n-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
n-Nitrosodi-n-propylamine	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
n-Nitrosodimethylamine	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
n-Nitrosodiphenylamine	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
n-Propylbenzene	n/a	< 1 µg/L	< 1 µg/L	< 5 µg/L	< 1 µg/L
Naphthalene	49000 µg/L	0.345 µg/L (J)	10.5 µg/L (J)	49.4 µg/L (J)	< 0.2 µg/L
Nitrobenzene	n/a	< 0.505 µg/L	< 0.5 µg/L	< 0.5 µg/L	< 0.5 µg/L
o-Cresol	n/a	< 0.505 µg/L	< 0.5 µg/L	0.5 µg/L (R)	< 0.5 µg/L
o-Xylene	100000 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Oil and Grease	n/a	< 1.5 mg/L	3.5 mg/L (J)	5 mg/L (J)	2.5 mg/L (J)
Pentachlorophenol	n/a	< 0.505 µg/L	< 0.5 µg/L	0.5 µg/L (R)	< 0.5 µg/L
PFHxS	n/a	67.9 ng/L	124 ng/L	104 ng/L	11.4 ng/L
PFOA	n/a	19.5 ng/L	30.5 ng/L	14.1 ng/L	< 1.5 ng/L
PFOS	n/a	205 ng/L	432 ng/L (J)	495 ng/L	6.37 ng/L (J)
Phenanthrene	n/a	0.324 µg/L	0.387 µg/L (J)	1.6 µg/L (J)	< 0.015 µg/L
Phenol	n/a	< 0.505 µg/L	< 0.5 µg/L	0.5 µg/L (R)	< 0.5 µg/L
Pyrene	20 µg/L	0.111 µg/L	0.187 µg/L (J)	0.865 µg/L (J)	< 0.025 µg/L
Pyridine	n/a	< 1.52 µg/L	< 1.5 µg/L	< 1.5 µg/L	< 1.5 µg/L
sec-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Styrene	10000 µg/L	< 0.2 µg/L	0.331 µg/L (J)	1.12 µg/L	< 0.2 µg/L
tert-Butyl methyl ether (MTBE)	15 µg/L	32.7 µg/L	32.3 µg/L	39.3 µg/L	< 0.2 µg/L
tert-Butylbenzene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Tetrachloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Toluene	1,000 µg/L	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Total Organic Carbon	n/a	31.2 mg/L	35 mg/L	46.1 mg/L	9.22 mg/L
Total TPH (C6-C35)	n/a	< 106 µg/L	< 104 µg/L	621 µg/L (J)	< 108 µg/L
trans-1,2-Dichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
trans-1,3-Dichloropropene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
trans-1,4-Dichloro-2-butene	n/a	< 0.5 µg/L	< 0.5 µg/L	< 2.5 µg/L	< 0.5 µg/L
Trichloroethene	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Trichlorofluoromethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Trichlorotrifluoroethane	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Vinyl acetate	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Vinyl chloride	n/a	< 0.2 µg/L	< 0.2 µg/L	< 1 µg/L	< 0.2 µg/L
Xylene (total)	1000000 µg/L	< 0.4 µg/L	0.481 µg/L (J)	< 2 µg/L	< 0.4 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

Detection Color Code

- Detected
- Detected Below RL
- Not Detected

South 4 Group Fire

Analytical Water Background Results - Surface Water (EAS) - December 01, 2019 & November 27, 2019*

Analyte	CAS #	Screening Value	WS000 PNTX1127X001 Preliminary	WS009 PNTX1201Y009EAB Preliminary
1-Chloronaphthalene	90-13-1	n/a	< 2 µg/L	< 2 µg/L
1-Naphthylamine	134-32-7	n/a	< 0.5 µg/L	< 0.6 µg/L
1,1-Dichloroethane	75-34-3	n/a	< 0.9 µg/L	< 0.9 µg/L
1,1-Dichloroethene	75-35-4	n/a	< 1 µg/L	< 1 µg/L
1,1-Dichloropropene	563-58-6	n/a	< 0.8 µg/L	< 0.8 µg/L
1,1,1-Trichloroethane	71-55-6	n/a	< 0.8 µg/L	< 0.8 µg/L
1,1,1,2-Tetrachloroethane	630-20-6	n/a	< 0.9 µg/L	< 0.9 µg/L
1,1,2-Trichloroethane	79-00-5	n/a	< 1 µg/L	< 1 µg/L
1,1,2,2-Tetrachloroethane	79-34-5	n/a	< 0.9 µg/L	< 0.9 µg/L
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	n/a	< 1 µg/L	< 1 µg/L
1,2-Dibromoethane (EDB)	106-93-4	n/a	< 1 µg/L	< 1 µg/L
1,2-Dichlorobenzene	95-50-1	n/a	< 1 µg/L	< 1 µg/L
1,2-Dichloroethane	107-06-2	n/a	< 1 µg/L	< 1 µg/L
1,2-Dichloropropane	78-87-5	n/a	< 0.9 µg/L	< 0.9 µg/L
1,2,3-Trichlorobenzene	87-61-6	n/a	< 0.6 µg/L	< 0.6 µg/L
1,2,3-Trichloropropane	96-18-4	n/a	< 0.9 µg/L	< 0.9 µg/L
1,2,4-Trichlorobenzene	120-82-1	n/a	< 1 µg/L	< 2 µg/L
1,2,4-Trimethylbenzene	95-63-6	83000 µg/L	< 0.8 µg/L	< 0.8 µg/L
1,2,4,5-Tetrachlorobenzene	95-94-3	n/a	< 2 µg/L	< 2 µg/L
1,3-Butadiene	106-99-0	36000 µg/L	< 0.8 µg/L	< 0.8 µg/L
1,3-Dichlorobenzene	541-73-1	n/a	< 1 µg/L	< 1 µg/L
1,3-Dichloropropane	142-28-9	n/a	< 1 µg/L	< 1 µg/L
1,3,5-Trimethylbenzene	108-67-8	n/a	< 0.6 µg/L	< 0.6 µg/L
1,4-Dichlorobenzene	106-46-7	n/a	< 1 µg/L	< 1 µg/L
2-Butanone (MEK)	78-93-3	1500000 µg/L	n/a	< 0.6 µg/L
2-Chloronaphthalene	91-58-7	n/a	< 1 µg/L	< 2 µg/L
2-Chlorophenol	95-57-8	n/a	< 1 µg/L	< 1 µg/L
2-Chlorotoluene	95-49-8	n/a	< 0.6 µg/L	< 0.6 µg/L
2-Methylnaphthalene	91-57-6	9800 µg/L	< 1 µg/L	< 1 µg/L
2-Methylphenol	95-48-7	n/a	< 0.8 µg/L	< 0.9 µg/L
2-Naphthylamine	91-59-8	n/a	< 0.6 µg/L	< 0.7 µg/L
2-Nitroaniline	88-74-4	n/a	< 0.7 µg/L	< 0.8 µg/L
2-Nitrophenol	88-75-5	n/a	< 0.9 µg/L	< 1 µg/L
2-Picoline	109-06-8	n/a	< 1 µg/L	< 1 µg/L
2,2-Dichloropropane	594-20-7	n/a	< 0.7 µg/L	< 0.7 µg/L
2,3,4,6-Tetrachlorophenol	58-90-2	n/a	< 0.7 µg/L	< 0.8 µg/L
2,4-Dichlorophenol	120-83-2	n/a	< 0.7 µg/L	< 0.7 µg/L
2,4-Dimethylphenol	105-67-9	n/a	< 1 µg/L	< 1 µg/L
2,4-Dinitrophenol	51-28-5	n/a	< 0.8 µg/L	< 0.8 µg/L
2,4-Dinitrotoluene	121-14-2	n/a	< 0.8 µg/L	< 0.9 µg/L
2,4,5-Trichlorophenol	95-95-4	n/a	< 0.6 µg/L	< 0.7 µg/L
2,4,6-Trichlorophenol	88-06-2	n/a	< 0.6 µg/L	< 0.7 µg/L
2,6-Dichlorophenol	87-65-0	n/a	< 0.6 µg/L	< 0.7 µg/L
2,6-Dinitrotoluene	606-20-2	n/a	< 0.6 µg/L	< 0.7 µg/L
3-Methylcholanthrene	56-49-5	n/a	< 0.5 µg/L	< 0.6 µg/L
3-Nitroaniline	99-09-2	n/a	< 0.8 µg/L	< 0.9 µg/L

Detection Color Code
- Detected
- Not Detected

* The data presented is preliminary, and has not undergone the full QA/QC process.

South 4 Group Fire

Analytical Water Background Results - Surface Water (EAS) - December 01, 2019 & November 27, 2019*

Detection Color Code
Detected
Not Detected

Analyte	CAS #	Screening Value	WS000 PNTX1127X001 Preliminary	WS009 PNTX1201Y009EAB Preliminary
3,3'-Dichlorobenzidine	91-94-1	n/a	< 0.6 µg/L	< 0.6 µg/L
3,3'-Dimethylbenzidine	119-93-7	n/a	< 1 µg/L	< 1 µg/L
4-Aminobiphenyl	92-67-1	n/a	< 0.5 µg/L	< 0.6 µg/L
4-Bromophenyl-phenyl ether	101-55-3	n/a	< 0.8 µg/L	< 0.9 µg/L
4-Chloro-3-methylphenol	59-50-7	n/a	< 0.5 µg/L	< 0.5 µg/L
4-Chloroaniline	106-47-8	n/a	< 0.5 µg/L	< 0.6 µg/L
4-Chlorophenyl-phenyl ether	7005-72-3	n/a	< 1 µg/L	< 1 µg/L
4-Chlorotoluene	106-43-4	n/a	< 0.5 µg/L	< 0.5 µg/L
4-Methylphenol	106-44-5	n/a	< 0.7 µg/L	< 0.7 µg/L
4-Nitroaniline	100-01-6	n/a	< 0.8 µg/L	< 0.9 µg/L
4-Nitrophenol	100-02-7	n/a	< 0.6 µg/L	< 0.6 µg/L
4,6-Dinitro-2-methylphenol	534-52-1	n/a	< 0.6 µg/L	< 0.7 µg/L
7,12-Dimethylbenz(a)anthracene	57-97-6	n/a	< 0.5 µg/L	< 0.6 µg/L
>C12-C28 Hydrocarbons		n/a	< 740 µg/L	< 750 µg/L
>C28-C35 Hydrocarbons		n/a	< 720 µg/L	< 730 µg/L
a,a-Dimethylphenethylamine	122-09-8	n/a	< 0.6 µg/L	< 0.7 µg/L
Acenaphthene	83-32-9	70 µg/L	< 1 µg/L	< 1 µg/L
Acenaphthylene	208-96-8	n/a	< 1 µg/L	< 1 µg/L
Acetone	67-64-1	n/a	n/a	< 0.9 µg/L
Acetophenone	98-86-2	n/a	< 1 µg/L	< 1 µg/L
Aniline	62-53-3	n/a	< 0.6 µg/L	< 0.6 µg/L
Anthracene	120-12-7	1109 µg/L	< 0.5 µg/L	< 0.6 µg/L
Benzene	71-43-2	5 µg/L	< 0.7 µg/L	< 0.7 µg/L
Benzidine	92-87-5	n/a	< 1 µg/L	< 1 µg/L
Benzo(a)anthracene	56-55-3	0.024 µg/L	< 1 µg/L	< 1 µg/L
Benzo(a)pyrene	50-32-8	0.0025 µg/L	< 0.6 µg/L	< 0.6 µg/L
Benzo(b)fluoranthene	205-99-2	0.012 µg/L	< 0.5 µg/L	< 0.6 µg/L
Benzo(g,h,i)perylene	110-86-1	n/a	< 0.5 µg/L	< 0.5 µg/L
Benzo(k)fluoranthene	207-08-9	0.12 µg/L	< 0.8 µg/L	< 0.9 µg/L
Benzoic acid	65-85-0	n/a	< 0.5 µg/L	< 0.6 µg/L
Benzyl alcohol	100-51-6	n/a	< 0.9 µg/L	< 0.9 µg/L
Benzylbutylphthalate	85-68-7	n/a	< 0.8 µg/L	< 0.9 µg/L
bis(2-Chloroethoxy)methane	111-91-1	n/a	< 0.5 µg/L	< 0.6 µg/L
bis(2-Chloroethyl)ether	111-44-4	n/a	< 0.9 µg/L	< 1 µg/L
bis(2-Chloroisopropyl)ether	108-60-1	n/a	< 1 µg/L	< 1 µg/L
bis(2-Ethylhexyl)phthalate	117-81-7	6 µg/L	< 1 µg/L	< 1 µg/L
Bromobenzene	08-86-1	n/a	< 0.8 µg/L	< 0.8 µg/L
Bromochloromethane	74-97-5	n/a	< 11 µg/L	< 11 µg/L
Bromodichloromethane	75-27-4	n/a	< 1 µg/L	< 1 µg/L
Bromoform	75-27-4	n/a	< 1 µg/L	< 1 µg/L
Bromomethane	74-83-9	n/a	< 2 µg/L	< 2 µg/L
C6-C12 Hydrocarbons		n/a	< 860 µg/L	< 870 µg/L
Carbon tetrachloride	56-23-5	n/a	< 0.6 µg/L	< 0.6 µg/L
Chlorobenzene	108-90-7	n/a	< 0.7 µg/L	< 0.7 µg/L
Chlorobenzilate	510-15-6	n/a	< 0.7 µg/L	< 0.6 µg/L
Chloroethane	75-00-3	n/a	< 0.7 µg/L	< 0.7 µg/L

* The data presented is preliminary, and has not undergone the full QA/QC process.

South 4 Group Fire

Analytical Water Background Results - Surface Water (EAS) - December 01, 2019 & November 27, 2019*

Analyte	CAS #	Screening Value	WS000 PNTX1127X001 Preliminary	WS009 PNTX1201Y009EAB Preliminary
Chloroform	67-66-3	70 µg/L	< 0.7 µg/L	< 0.7 µg/L
Chloromethane	74-87-3	n/a	< 0.7 µg/L	< 0.7 µg/L
Chrysene	218-01-9	2.45 µg/L	< 0.9 µg/L	< 1 µg/L
cis-1,2-Dichloroethene	156-59-2	n/a	< 0.7 µg/L	< 0.7 µg/L
cis-1,3-Dichloropropene	10061-01-5	n/a	< 1 µg/L	< 1 µg/L
Di-n-butylphthalate	87-74-2	n/a	< 0.9 µg/L	< 1 µg/L
Di-n-octylphthalate	117-84-0	n/a	< 0.7 µg/L	< 0.8 µg/L
Dibenz(a,h)anthracene	53-70-3	0.0012 µg/L	< 0.6 µg/L	< 0.6 µg/L
Dibenz(a,j)acridine	224-42-0	n/a	< 0.7 µg/L	< 0.8 µg/L
Dibenzofuran	132-64-9	n/a	< 1 µg/L	< 1 µg/L
Dibromochloromethane	124-48-1	n/a	< 1 µg/L	< 1 µg/L
Dibromomethane	74-95-3	n/a	< 1 µg/L	< 1 µg/L
Dichlorodifluoromethane	75-71-8	n/a	< 0.8 µg/L	< 0.8 µg/L
Diethylphthalate	84-66-2	n/a	< 0.6 µg/L	< 0.7 µg/L
Dimethylphthalate	131-11-3	n/a	< 0.9 µg/L	< 1 µg/L
Diphenylamine	122-39-4	n/a	< 0.8 µg/L	< 0.9 µg/L
Diphenylhydrazine(as Azobenzene)	103-33-3	n/a	< 0.7 µg/L	< 0.8 µg/L
Ethyl benzene	100-41-4	700 µg/L	< 0.7 µg/L	< 0.7 µg/L
Ethyl methanesulfonate	62-50-0	n/a	< 0.9 µg/L	< 1 µg/L
Ethylene Glycol	107-27-1	n/a	< 200 µg/L	n/a
Fluoranthene	206-44-0	20 µg/L	< 0.7 µg/L	< 0.7 µg/L
Fluorene	86-73-7	50 µg/L	< 1 µg/L	< 1 µg/L
Hexachlorobenzene	118-74-1	n/a	< 0.7 µg/L	< 0.7 µg/L
Hexachlorobutadiene	87-68-3	n/a	< 1 µg/L	< 1 µg/L
Hexachlorocyclopentadiene	77-47-4	n/a	< 1 µg/L	< 1 µg/L
Hexachloroethane	67-72-1	n/a	< 1 µg/L	< 1 µg/L
Hexachloropropene	1888-81-7	n/a	< 1 µg/L	< 1 µg/L
Indeno(1,2,3-cd)pyrene	193-39-5	0.012 µg/L	< 0.5 µg/L	< 0.6 µg/L
Isophorone	78-59-1	n/a	< 0.5 µg/L	< 0.6 µg/L
Isopropylbenzene	98-82-8	n/a	< 0.6 µg/L	< 0.6 µg/L
m,p-Xylene	1330-20-7	1000000 µg/L	< 1 µg/L	< 1 µg/L
Methyl methanesulfonate	66-27-3	n/a	< 0.6 µg/L	< 0.6 µg/L
Methyl-t-butyl ether (MTBE)	1634-04-4	15 µg/L	n/a	< 0.9 µg/L
Methylene chloride	75-09-2	n/a	< 1 µg/L	< 1 µg/L
n-Butylbenzene	104-51-8	n/a	< 0.7 µg/L	< 0.7 µg/L
N-Nitroso-di-n-butylamine	924-16-3	n/a	< 0.9 µg/L	< 0.9 µg/L
N-Nitroso-di-n-propylamine	621-64-7	n/a	< 1 µg/L	< 1 µg/L
N-Nitrosodimethylamine	62-75-9	n/a	< 0.5 µg/L	< 0.6 µg/L
N-Nitrosodiphenylamine	86-30-6	n/a	< 0.8 µg/L	< 0.9 µg/L
N-Nitrosopiperidine	100-75-4	n/a	< 0.5 µg/L	< 0.6 µg/L
n-Propylbenzene	103-65-1	n/a	< 0.6 µg/L	< 0.6 µg/L
Naphthalene	91-20-3	49000 µg/L	< 2 µg/L	< 2 µg/L
Nitrobenzene	98-95-3	n/a	< 1 µg/L	< 1 µg/L
o-Xylene	1330-20-7	1000000 µg/L	< 0.8 µg/L	< 0.8 µg/L
Oil & Grease (HEM)		n/a	n/a	3,300 µg/L
p-Dimethylaminoazobenzene	60-11-7	n/a	< 1 µg/L	< 1 µg/L

Detection Color Code
- Detected
- Not Detected

* The data presented is preliminary, and has not undergone the full QA/QC process.

South 4 Group Fire

Analytical Water Background Results - Surface Water (EAS) - December 01, 2019 & November 27, 2019*

Analyte	CAS #	Screening Value	WS000 PNTX1127X001 Preliminary	WS009 PNTX1201Y009EAB Preliminary
p-Isopropyltoluene	99-87-6	n/a	< 0.6 µg/L	< 0.6 µg/L
Pentachlorobenzene	608-93-5	n/a	< 1 µg/L	< 1 µg/L
Pentachloronitrobenzene	82-68-8	n/a	< 0.5 µg/L	< 0.5 µg/L
Pentachlorophenol	87-86-5	n/a	< 0.6 µg/L	< 0.7 µg/L
Phenacetin	62-44-2	n/a	< 1 µg/L	< 1 µg/L
Phenanthrene	85-01-8	n/a	< 0.5 µg/L	< 0.6 µg/L
Phenol	108-95-2	n/a	< 0.5 µg/L	< 0.6 µg/L
Pronamide	23950-58-5	n/a	< 0.8 µg/L	< 0.9 µg/L
Pyrene	129-00-0	20 µg/L	< 0.8 µg/L	< 0.9 µg/L
sec-Butylbenzene	135-98-8	n/a	< 0.5 µg/L	< 0.6 µg/L
Styrene	100-42-5	10000 µg/L	< 0.8 µg/L	< 0.8 µg/L
tert-Butylbenzene	98-06-6	n/a	< 0.5 µg/L	< 0.5 µg/L
Tetrachloroethene	127-18-4	n/a	< 0.6 µg/L	< 0.6 µg/L
Tetrahydrofuran (THF)	109-99-9	n/a	n/a	< 5 µg/L
Toluene	108-88-3	1,000 µg/L	< 0.7 µg/L	< 0.7 µg/L
Tot C6-C35 Hydrocarbons		n/a	< 1,420 µg/L	< 1,430 µg/L
Total Organic Carbon		n/a	4,760 µg/L	12,100 µg/L
trans-1,2-Dichloroethene	156-60-5	n/a	< 0.6 µg/L	< 0.6 µg/L
trans-1,3-Dichloropropene	10061-02-6	n/a	< 1 µg/L	< 1 µg/L
Trichloroethene	79-01-6	n/a	< 0.7 µg/L	< 0.7 µg/L
Trichlorofluoromethane	75-69-4	n/a	< 0.2 µg/L	< 0.2 µg/L
Vinyl chloride	75-01-4	n/a	< 1 µg/L	< 1 µg/L

Detection Color Code
- Detected
- Not Detected

* The data presented is preliminary, and has not undergone the full QA/QC process.