

Progress Report

Aliceville, AL Derailment Response Alabama & Gulf Coast April 11, 2014

In accordance with the United States Environmental Protection Agency (USEPA) Removal Administrative Order (Order) issued to Alabama & Gulf Coast Railway, LLC., (AGR) on November 19, 2013, AGR provides the following information associated with the emergency response activities at the derailment site for the past reporting period. This process is provided to ensure compliance with section 20 of the Removal Administrative Order prescribing daily progress reports. The following operational and environmental response actions have occurred since 03/14/2014.

As of this reporting period, sections have been updated to reflect only current work activities.

Section 1: Operations

Section 1.1: Oil Recovery Operations

Skimming operations ceased as of 12/13/2013.

266 bags of oiled solids were removed, and 1000 feet of fencing was replaced during this reporting period. Daily and cumulative totals of crude oil skimmed and bags counted and collected from the slough and oil-related waste is included in Attachment A.

Section 2: Environmental

Section 2.1: Surface Water Sampling

The USEPA approved discontinuing post-rainfall sampling events on December 9, 2013. Paul Rogers of ADEM approved sampling events to move from a weekly frequency to once every two weeks. Samples will be analyzed for BTEX and PAH. The results for surface water samples will be reported in a summary table as Attachment D. As of last reporting, results have been received for samples collected March 5th and March 19th, and results are included with this report.

Section 2.2: Water Quality Monitoring

Water quality parameters (e.g., dissolved oxygen (DO), pH, temperature, and conductivity) are collected using an YSI Pro Plus meter concurrent with surface water sampling which are to occur weekly. Attachment D provides a summary report of water quality values collected.

Section 2.3: Natural Resources and Wetlands Assessment

There was no wildlife mortality observed during this reporting period. Wildlife mortality estimates associated with this incident is reported in Attachment A.

Section 2.4: Boom Maintenance and Monitoring

Boom deployed throughout the area of operations is being routinely inspected to document the efficacy of boom deployment and evaluate additional placement/redeployment of booms, as necessary. The boom was inspected during this reporting period and was performing as intended. In conjunction with the USEPA, the decision was made to remove the majority of hard boom (except in the area surrounding culverts).

Section 2.5: Offsite Waste Disposal Operations

In this reporting period, impacted soil was shipped offsite from March 31st through April 12th. Approximately 1,100 tons of material was shipped for disposal at the Pine Ridge Landfill in Meridian, Mississippi.

Beginning on Thursday March 20, McDevitt Enterprises and RJ Corman, under the guidance of CTEH and Enviroscience, removed soil, rock and sediment from the east and west sides of the track structure to return the area to pre-derailment conditions. On the east side of the track immediately south of the grade crossing at County Route 2, the stone access road and disturbed soils were removed to restore the pre-existing grade to the site. Stone material was placed along the banks of the roadbed at the Site or removed from the Site for use along the road bed at other locations. Soil and sediment were stockpiled near the grade crossing for sampling and offsite disposal if necessary. The staging area was graded and poly was placed along the base of the area prior to soil placement. Soil was loaded into dump trucks and moved to the staging area where it was screened with a PID. All soil that was removed north of the containment fencing and showed no evidence of impacts was segregated from material collected to the south of the containment fencing. Material collected within the fence line was stockpiled for disposal at Waste Management's Pine Ridge Landfill in Meridian, Mississippi.

Additional soil was removed from the east and western toe of the road bed where oil was visibly leaching from the soil. Soil removal activities continued through April 1st. Beginning on April 2nd, an interceptor trench was installed along the western toe of the slope, south of the culverts for a length of approximately 200' to capture oil leaching through the roadbed. The trench was installed with a slight pitch to the north. The interceptor trench was constructed of 12" perforated corrugated pipe. RJ Corman utilized a hi-rail long stick excavator to cut in the trench adjacent to the wetlands. Washed



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gravel bedding was placed in the base of the trench prior to the corrugated pipe being installed at the Site. The pipe was wrapped with fabric paper and backfilled with gravel and then “native” material from the roadbed. Two vertical standpipes were installed to allow for product and oily water recovery.

Sincerely,

Jason Davis, CTEH®
Environmental Scientist Project Manager
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Recovery Estimate and Wildlife Impact

Aliceville, AL Derailment Response
Alabama & Gulf Coast
December 13, 2013 – April 11, 2014

Totals recovered to date:

Oiled Solids Recovered: 290.5 yd³

Oiled Solids Loaded: 15,919 bags

Skimming Ops Recovered: 10,734 gallons

The figures below contain recovery estimates from operations for the period of March 14, 2014 through April 11, 2014.

Recovery From Environment	
Reported	Oiled solids loaded (bags)
3/15/2014	19
3/18/2014	41
3/19/2014	53
4/1/2014	153
Total	15919

*All figures are considered preliminary and are subject to change

Tank car transfer operations concluded on 11/21/2013. A total of 203,080 gallons have been transferred.

No wildlife mortality has been observed in this reporting period.

Aliceville Derailment Water Sampling Locations



Project: 105723
Client: Alabama Gulf Coast Railway
City: Aliceville, AL
County: Pickens



Legend



Incident Site



Proposed Water Sample

—+— Rail Line

0 500 1,000 2,000
Feet

Table 1: BTEX Results - SURFACE WATER

Location	Sample ID	Units	Analyte / Analytical Method			
			Benzene SW8260B	Ethylbenzene SW8260B	Toluene SW8260B	Xylenes, Total SW8260B
SW-01	AVAL1109SW002	mg/L	1.1	0.051		0.34
	SW01-111113-01	mg/L	0.41	0.021	0.26	0.15
	SW01-111213-05	mg/L	0.43	0.02		0.14
	SW01-111313-11	mg/L	0.14	0.0059		0.043
	SW01-111413-16	mg/L	0.086	0.0039	0.046	0.033
	SW01-111513-22	mg/L	0.095	0.0056		0.044
	SW01-111613-27	mg/L	0.039	0.021	0.089	0.13
	SW01-111713-32	mg/L	0.048	0.003	0.033	0.03
	SW01-111813-36	mg/L	0.1	0.016		0.1
	SW01-112513-42	mg/L	0.0061	0.0016	0.0078	0.022
	SW01-112613-46	mg/L	0.018	0.005	0.029	0.039
	SW01-120213-52	mg/L	0.0044	0.0064	0.021	0.031
	SW01-120913-57	mg/L	0.0071	0.0031	0.014	0.018
	SW01-121613-63	mg/L	(J) 0.00086	(U) 0.0005	(J) 0.00073	(U) 0.0016
	SW01-122313-68	mg/L	(U) 0.00034	(U) 0.0005	(J) 0.00073	(U) 0.0016
	SW01-123013-74	mg/L	(J) 0.00046	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW01-011314-85	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW01-012014-90	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW01-012714-96	mg/L	0.0016	(J) 0.00083	0.0018	(J) 0.0034
	SW01-020614-101	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW01-021114-107	mg/L	(J) 0.00036	(U) 0.0005	(U) 0.0007	(U) 0.0016
	DUP-021914-117	mg/L	0.0014	(J) 0.00063	0.0011	(J) 0.0038
	SW01-021914-112	mg/L	0.0014	(J) 0.00057	(J) 0.00096	(J) 0.0035
	SW01-030514-120	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW01-031914-125	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
SW-02	SW02-111113-02	mg/L	(U) 0.00034	(U) 0.0005	0.0018	(U) 0.0016
	SW02-111213-06	mg/L	(U) 0.00034	(U) 0.0005	0.0027	(U) 0.0016
	SW02-111313-12	mg/L	(U) 0.00034	(U) 0.0005	0.0033	(U) 0.0016
	SW02-111413-17	mg/L	(U) 0.00034	(U) 0.0005	0.0031	(U) 0.0016
	SW02-111513-23	mg/L	(U) 0.00034	(U) 0.0005	0.0045	(U) 0.0016
	SW02-111613-28	mg/L	(U) 0.00034	(U) 0.0005	0.0032	(U) 0.0016
	SW02-111713-33	mg/L	(U) 0.00034	(U) 0.0005	0.0026	(U) 0.0016
	SW02-111813-37	mg/L	(U) 0.00034	(U) 0.0005	0.0037	(U) 0.0016
	SW02-112513-43	mg/L	(U) 0.00034	(U) 0.0005	0.014	(U) 0.0016
	SW02-112613-47	mg/L	(U) 0.00034	(U) 0.0005	0.0024	(U) 0.0016
	SW02-120213-53	mg/L	(U) 0.00034	0.0011	(U) 0.0007	(J) 0.0031
	SW02-120913-58	mg/L	0.0063	0.0027	0.011	0.016
	SW02-121613-64	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW02-122313-69	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW02-123013-75	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW02-011314-86	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW02-012014-91	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW02-012714-97	mg/L	0.001	(J) 0.00052	(J) 0.00081	(J) 0.0024
	SW02-020614-102	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW02-021114-108	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW02-021914-113	mg/L	0.0011	(J) 0.00051	(U) 0.0007	(J) 0.003
	SW02-030514-121	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	DUP-031914-129	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW02-031914-126	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
SW-03	AVAL1109SW001	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016

- Some sample results include lab qualifiers. The qualifier "U" indicates compound was not detected, in which case the reporting limit is provided in the table. The qualifier "J" indicates the compound was detected, but the value is an estimated value below the practical quantitation limit.

- Results highlighted orange indicate a compound was detected in the sample at or above the MDL.

Table 1: BTEX Results - SURFACE WATER

Location	Sample ID	Units	Analyte / Analytical Method			
			Benzene SW8260B	Ethylbenzene SW8260B	Toluene SW8260B	Xylenes, Total SW8260B
SW-03	SW03-111113-03	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	DUP-111213-09	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-111213-07	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-111313-13	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-111413-18	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-111513-24	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-111613-29	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-111713-34	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	DUP-111813-40	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-111813-38	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-112513-44	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	DUP-112613-50	mg/L	(U) 0.00034	(U) 0.0005	(J) 0.00071	(U) 0.0016
	SW03-112613-48	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-120213-54	mg/L	(J) 0.00059	(U) 0.0005	0.0014	(U) 0.0016
	SW03-120913-59	mg/L	(J) 0.00055	(U) 0.0005	(J) 0.00077	(J) 0.0017
	SW03-121613-65	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-122313-70	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-123013-76	mg/L	(U) 0.00034	(U) 0.0005	0.0012	(U) 0.0016
	SW03-011314-87	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-012014-92	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-012714-98	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-020614-103	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-021114-109	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-021914-114	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-030514-122	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW03-031914-127	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
SW-04	AVAL1110SW003	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-111113-04	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-111213-08	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-111313-14	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	DUP-111413-20	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-111413-19	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-111513-25	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-111613-30	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-111713-35	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-111813-39	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-112513-45	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-112613-49	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-120213-55	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	DUP-120913-61	mg/L	(J) 0.00046	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-120913-60	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-121613-66	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	DUP-122313-72	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-122313-71	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	DUP-123013-78	mg/L	(U) 0.00034	(U) 0.0005	0.001	(U) 0.0016
	SW04-123013-77	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-011314-88	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	DUP-012014-94	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-012014-93	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-012714-99	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016

- Some sample results include lab qualifiers. The qualifier "U" indicates compound was not detected, in which case the reporting limit is provided in the table. The qualifier "J" indicates the compound was detected, but the value is an estimated value below the practical quantitation limit.

- Results highlighted orange indicate a compound was detected in the sample at or above the MDL.

Table 1: BTEX Results - SURFACE WATER

Location	Sample ID	Units	Analyte / Analytical Method			
			Benzene SW8260B	Ethylbenzene SW8260B	Toluene SW8260B	Xylenes, Total SW8260B
SW-04	DUP-020614-105	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-020614-104	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-021114-110	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-021914-115	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-030514-123	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016
	SW04-031914-128	mg/L	(U) 0.00034	(U) 0.0005	(U) 0.0007	(U) 0.0016

- Some sample results include lab qualifiers. The qualifier "U" indicates compound was not detected, in which case the reporting limit is provided in the table. The qualifier "J" indicates the compound was detected, but the value is an estimated value below the practical quantitation limit.

- Results highlighted orange indicate a compound was detected in the sample at or above the MDL.

Table 2: PAH Results - SURFACE WATER

			Analyte / Analytical Method															
Locatio..	Sample ID	Units	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benz[a]pyrene	Benz[b]fluoranthene	Benz[g,h,i]perylene	Benz[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyre..	Naphthalene	Phenanthrene	Pyrene
SW-01	AVAL1109SW002	mg/L	0.00023	0.00088	0.00049	0.00074	0.0016	0.0006	0.0004	0.00027	0.001	(J) 0.00019	0.0018	0.0011	0.00031	0.013	0.0054	0.0021
	SW01-111113-01	mg/L	(J) 0.00016	0.00035	(U) 0.000021	(J) 0.00011	(J) 0.00017	(J) 0.00018	(J) 0.000094	(J) 0.000079	(J) 0.000085	(J) 0.000057	0.00031	0.00029	(J) 0.000094	0.0062	0.00072	0.00026
	SW01-111213-05	mg/L	0.00033	0.00063	0.0005	0.00038	0.001	0.00041	0.00019	(J) 0.00015	0.00066	(U) 0.000038	0.0012	0.0011	0.00019	0.0094	0.0041	0.0012
	SW01-111313-11	mg/L	(J) 0.0001	0.00022	0.00025	0.00021	0.00027	0.00024	(J) 0.00014	(J) 0.0001	0.00034	(U) 0.00004	0.00055	0.00045	(J) 0.0001	0.0025	0.0017	0.00062
	SW01-111413-16	mg/L	(J) 0.000093	0.00034	0.00031	0.00028	0.0011	0.00033	(J) 0.00014	(J) 0.00013	0.00063	(U) 0.00004	0.00078	0.00083	(J) 0.00012	0.0031	0.0035	0.001
	SW01-111513-22	mg/L	(J) 0.000078	0.0002	0.00024	0.00019	(J) 0.00017	0.00032	0.00027	(J) 0.00013	0.00031	(J) 0.000063	0.00056	0.0004	(J) 0.00013	0.0031	0.0014	0.00055
	SW01-111613-27	mg/L	(U) 0.00019	(J) 0.00055	(J) 0.0007	(J) 0.00064	(J) 0.00066	(J) 0.00064	(J) 0.0011	(U) 0.00038	(J) 0.00099	(U) 0.00038	(J) 0.0014	(U) 0.0002	(J) 0.00067	(J) 0.0016	0.0048	(J) 0.0014
	SW01-111713-32	mg/L	(J) 0.00041	(J) 0.0019	(J) 0.0013	(J) 0.003	(J) 0.0042	(J) 0.0012	(J) 0.0011	(J) 0.0005	(J) 0.0026	(UJ) 0.00038	(J) 0.0024	(J) 0.0038	(J) 0.00092	(J) 0.0085	(J) 0.014	(J) 0.0035
	SW01-111813-36	mg/L	(U) 0.00019	(U) 0.00019	(U) 0.00019	(U) 0.00038	(U) 0.00038	(U) 0.00038	0.003	(U) 0.00038	(U) 0.00038	(U) 0.00038	(U) 0.00019	(U) 0.0002	(U) 0.00038	0.0054	0.0021	(U) 0.00019
	SW01-112613-46	mg/L	0.00062	0.00019	0.00021	(J) 0.000054	(U) 0.000038	(J) 0.000039	(U) 0.000038	(U) 0.000038	(J) 0.00004	(J) 0.000054	0.00045	0.00063	(J) 0.00005	0.0026	0.001	0.00031
	SW01-120213-52	mg/L	0.00029	(J) 0.000079	(J) 0.00008	(U) 0.000038	(J) 0.000057	(J) 0.00014	(J) 0.000071	(J) 0.000052	(U) 0.000038	(U) 0.000038	0.0004	(U) 0.00002	(J) 0.000074	0.00041	0.00073	0.0003
	SW01-120913-57	mg/L	0.00086	(J) 0.00017	0.0003	(J) 0.00009	(U) 0.000038	(J) 0.000065	(U) 0.000038	(U) 0.000038	(J) 0.000099	(U) 0.000038	0.00088	0.00082	(U) 0.000038	0.0018	0.0015	0.00058
	SW01-121613-63	mg/L	(J) 0.00012	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.00014	(J) 0.0001	(U) 0.000038	0.00025	(J) 0.00016	(J) 0.000095
	SW01-122313-68	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.00011	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW01-123013-74	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(J) 0.00009	(U) 0.000019	(U) 0.000019
	SW01-011314-85	mg/L	(J) 0.000032	(U) 0.000019	(J) 0.000022	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.000071	(J) 0.000034	(U) 0.000038	(J) 0.000044	(J) 0.000064	(J) 0.000051
	SW01-012014-90	mg/L	(J) 0.000059	(U) 0.000021	(J) 0.000099	(J B) 0.0001	(J) 0.00015	(J) 0.00017	(J B) 0.00017	(J B) 0.00014	(J B) 0.00017	(U) 0.00005	0.00024	(U) 0.000016	(J B) 0.00018	(J) 0.000035	0.00026	(U) 0.00003
	SW01-012714-96	mg/L	0.00022	(J) 0.00011	(J) 0.00012	0.00051	0.00025	0.0004	(J) 0.00018	0.0002	0.00022	(U) 0.00005	0.00092	0.00021	0.0002	(J) 0.00019	0.00032	0.0006
	SW01-020614-101	mg/L	(J) 0.000035	(U) 0.000021	(J) 0.000093	0.00023	0.00023	0.00035	(J) 0.00014	(J) 0.00015	(U) 0.000026	(J) 0.00014	0.00046	(U) 0.000016	(J) 0.00016	(U) 0.000023	0.00029	(U) 0.000029
	SW01-021114-107	mg/L	(J) 0.00007	(U) 0.000021	(J) 0.000068	(U) 0.000037	(U) 0.000036	(U) 0.000034	(J B) 0.00014	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J) 0.00017	(J) 0.000086	(U) 0.000043	(U) 0.000023	(J) 0.00013	(J) 0.00012
	DUP-021914-117	mg/L	(J) 0.00015	(J) 0.00006	(J) 0.000064	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	0.00023	(J) 0.00018	(U) 0.000043	0.00026	0.00023	(J) 0.00015
	SW01-021914-112	mg/L	(J) 0.00017	(J) 0.000071	(J) 0.000065	(U) 0.000037	(J) 0.000047	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	0.00027	0.00021	(U) 0.000043	0.00025	0.0002	(J) 0.00016
SW-02	SW01-030514-120	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J) 0.000088	(U) 0.000016	(U) 0.000043	(U) 0.000023	(U) 0.000033	(J) 0.000064
	SW01-031914-125	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J) 0.00014	(U) 0.000016	(U) 0.000043	(J) 0.00014	(J) 0.0001	(J) 0.00012
	SW02-111113-02	mg/L	(UJ) 0.000022	(UJ) 0.000022	(UJ) 0.000022	(UJ) 0.000044	(UJ) 0.000044	(UJ) 0.000044	(UJ) 0.000044	(UJ) 0.000044	(UJ) 0.000044	(UJ) 0.000044	(UJ) 0.000022	(UJ) 0.000023	(UJ) 0.000044	(UJ) 0.000022	(UJ) 0.000022	(UJ) 0.000022
	SW02-111213-06	mg/L	(U) 0.000019	(U) 0.000019	(J) 0.000051	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(J) 0.00012	(U) 0.000019
	SW02-111313-12	mg/L	(U) 0.000019	(U) 0.000019	(J) 0.000058	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.0001	(U) 0.00002	(U) 0.000038	(U) 0.000019	(J) 0.00014	(U) 0.000019
	SW02-111413-17	mg/L	(U) 0.00002	(U) 0.00002	(J) 0.000091	(U) 0.00004	(U) 0.00004	(U) 0.00004	(J) 0.00011	(U) 0.00004	(U) 0.00004	(U) 0.00004	(J) 0.000049	(U) 0.000021	(U) 0.00004	(U) 0.00002	(J) 0.00013	(J) 0.00003
	SW02-111513-23	mg/L	(U) 0.000019	(U) 0.000019	(J) 0.00006	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.000062	(U) 0.00002	(U) 0.000038	(U) 0.000019	(J) 0.00014	(J) 0.00004
	SW02-111613-28	mg/L	(U) 0.000019	(U) 0.000019	(J) 0.00008	(U) 0.00019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.00019	(U) 0.000038	(J) 0.000063	(U) 0.00002	(U) 0.000038	(U) 0.000019	(J) 0.0001	(U) 0.000095
	SW02-111713-33	mg/L	(U) 0.000019	0.00026	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(J) 0.00015	(U) 0.000019
	SW02-111813-37	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
SW-02	SW02-112513-43	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(J) 0.000079	(U) 0.000019	(U) 0.000019

- Some sample results include lab qualifiers. The qualifier "U" indicates compound was not detected, in which case the reporting limit is provided in the table. The qualifier "J" indicates the compound was detected, but the value is an estimated value below the practical quantitation limit.

- Results highlighted orange indicate a compound was detected in the sample at or above the MDL.

Table 2: PAH Results - SURFACE WATER

			Analyte / Analytical Method															
Locatio..	Sample ID	Units	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benz[a]pyrene	Benz[b]fluoranthene	Benz[g,h,i]perylene	Benz[k]fluoranthene	Chrysene	Dibenz[ah]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyre..	Naphthalene	Phenanthrene	Pyrene
			SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
SW-02	SW02-112613-47	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(J) 0.000079	(U) 0.000019
	SW02-120213-53	mg/L	0.00027	(J) 0.000063	(J) 0.000042	(J) 0.00005	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.000057	0.00024	(J) 0.00017	(U) 0.000038	0.00025	0.00027	0.00037
	SW02-120913-58	mg/L	0.00041	(J) 0.000091	(J) 0.00012	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	0.00041	0.00037	(U) 0.000038	0.00083	0.00063	0.00028
	SW02-121613-64	mg/L	(J) 0.000097	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.00016	(J) 0.000062	(U) 0.000038	(J) 0.000071	(J) 0.00007	(J) 0.00012
	SW02-122313-69	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.000059	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(J) 0.000052
	SW02-123013-75	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW02-011314-86	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.000034	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(J) 0.000025
	SW02-012014-91	mg/L	(U) 0.000021	(J) 0.000079	(J) 0.000055	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J B) 0.00011	(U) 0.000016	(U) 0.000043	(J) 0.000091	(J) 0.000044	(J B) 0.000071
	SW02-012714-97	mg/L	(J) 0.00017	(J) 0.000067	(J) 0.000075	(U) 0.000037	(U) 0.000036	(J) 0.00014	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	0.00037	0.00021	(U) 0.000043	0.00024	(J) 0.00019	(J) 0.00019
	SW02-020614-102	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J) 0.000089	(U) 0.000016	(U) 0.000043	(U) 0.000023	(J) 0.000037	(U) 0.000029
	SW02-021114-108	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J) 0.00012	(U) 0.000016	(U) 0.000043	(U) 0.000023	(J) 0.000073	(J) 0.000091
	SW02-021914-113	mg/L	(J) 0.00016	(U) 0.000021	(J) 0.000054	(U) 0.000037	(U) 0.000036	(J) 0.000067	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	0.0003	(J) 0.00019	(U) 0.000043	0.00025	0.00021	(J) 0.00018
	SW02-030514-121	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J) 0.000091	(U) 0.000016	(U) 0.000043	(U) 0.000023	(J) 0.00005	(J) 0.000068
	DUP-031914-129	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J) 0.000092	(U) 0.000016	(U) 0.000043	(U) 0.000023	(U) 0.000033	(J) 0.00009
	SW02-031914-126	mg/L	(J) 0.000061	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005		(J) 0.000059	(U) 0.000043	(J) 0.00012	(J) 0.00012	(J) 0.00015
SW-03	AVAL1109SW001	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000021	(U) 0.000042	(U) 0.000042	(U) 0.000042	(J) 0.0002	(U) 0.000042	(U) 0.000042	(U) 0.000042	(J) 0.000054	(U) 0.000022	(U) 0.000042	(U) 0.000021	(J) 0.000077	(J) 0.000037
	SW03-111113-03	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000021	(U) 0.000042	(U) 0.000042	(U) 0.000042	(U) 0.000042	(U) 0.000042	(U) 0.000042	(U) 0.000042	(J) 0.000052	(U) 0.000022	(U) 0.000042	(U) 0.000021	(J) 0.000074	(U) 0.000021
	DUP-111213-09	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.000046	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW03-111213-07	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW03-111313-13	mg/L	(U) 0.00002	(U) 0.00002	(U) 0.00002	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(J) 0.000038	(U) 0.000021	(U) 0.00004	(U) 0.00002	(J) 0.000054	(U) 0.00002
	SW03-111413-18	mg/L	(U) 0.00002	(U) 0.00002	(U) 0.00002	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(J) 0.000037	(U) 0.000021	(U) 0.00004	(U) 0.00002	(J) 0.000061	(U) 0.00002
	SW03-111513-24	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.000029	(U) 0.00002	(U) 0.000038	(U) 0.000019	(J) 0.00003	(J) 0.00002
	SW03-111613-29	mg/L	(U) 0.000019	(J) 0.000079	(J) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(J) 0.00004	(U) 0.000019
	SW03-111713-34	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	DUP-111813-40	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(J) 0.000063	(U) 0.000019
	SW03-111813-38	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW03-112513-44	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.000073	(U) 0.000038	(U) 0.000038	(J) 0.000063	(U) 0.000019	(U) 0.00002	(J) 0.000058	(U) 0.000019	(U) 0.000019	(U) 0.000019
	DUP-112613-50	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW03-112613-48	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.000078	(U) 0.000038	(U) 0.000038	(J) 0.0001	(U) 0.000019	(U) 0.00002	(J) 0.000091	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW03-120213-54	mg/L	(J) 0.00013	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.000085	(J) 0.000053	(U) 0.000038	(J) 0.000067	(J) 0.000093	(J) 0.000065
	SW03-120913-59	mg/L	(J) 0.0001	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.00014	(J) 0.000074	(U) 0.000038	(J) 0.000098	(J) 0.000099	(J) 0.000096
	SW03-121613-65	mg/L	(J) 0.00011	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.00014	(J) 0.000064	(U) 0.000038	(U) 0.000019	(J) 0.000061	(J) 0.00011
	SW03-122313-70	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.000047	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(J) 0.000039

- Some sample results include lab qualifiers. The qualifier "U" indicates compound was not detected, in which case the reporting limit is provided in the table. The qualifier "J" indicates the compound was detected, but the value is an estimated value below the practical quantitation limit.

- Results highlighted orange indicate a compound was detected in the sample at or above the MDL.

Table 2: PAH Results - SURFACE WATER

			Analyte / Analytical Method															
Locatio.. SW-03	Sample ID	Units	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[ah]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyre.	Naphthalene	Phenanthrene	Pyrene
			SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
SW-03	SW03-123013-76	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW03-011314-87	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.000032	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(J) 0.000025
	SW03-012014-92	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(J B) 0.00011	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J B) 0.000087	(U) 0.000016	(U) 0.000043	(U) 0.000023	(U) 0.000033	(J B) 0.000066
	SW03-012714-98	mg/L	(U) 0.000021	(U) 0.000021	(J) 0.000055	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J) 0.00012	(U) 0.000016	(U) 0.000043	(U) 0.000023	(U) 0.000033	(J) 0.000091
	SW03-020614-103	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J) 0.000079	(U) 0.000016	(U) 0.000043	(U) 0.000023	(U) 0.000033	(J) 0.000066
	SW03-021114-109	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J) 0.000084	(U) 0.000016	(U) 0.000043	(U) 0.000023	(U) 0.000033	(J) 0.000075
	SW03-021914-114	mg/L	(J) 0.000054	(U) 0.000021	(J) 0.000042	(U) 0.000037	(U) 0.000036	(J) 0.000055	(J) 0.000089	(U) 0.000058	(J) 0.000047	(J) 0.000088	(J) 0.00011	(U) 0.000016	(J) 0.000075	(J) 0.00011	(U) 0.000033	(J) 0.00007
	SW03-030514-122	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(U) 0.00005	(U) 0.000016	(U) 0.000043	(U) 0.000023	(U) 0.000033	(J) 0.000049
SW-04	SW03-031914-127	mg/L	(J) 0.000055	(J) 0.000067	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J) 0.00009	(U) 0.000016	(U) 0.000043		(J) 0.000033	(J) 0.000079
	AVAL1110SW003	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000021	(U) 0.000042	(U) 0.000042	(U) 0.000042	(U) 0.000042	(U) 0.000042	(U) 0.000042	(U) 0.000042	(U) 0.000021	(U) 0.000022	(U) 0.000042	(U) 0.000021	(U) 0.000021	(U) 0.000021
	SW04-111113-04	mg/L	(U) 0.000022	(U) 0.000022	(U) 0.000022	(U) 0.000043	(U) 0.000043	(U) 0.000043	(U) 0.000043	(U) 0.000043	(U) 0.000043	(U) 0.000043	(U) 0.000022	(U) 0.000023	(U) 0.000043	(U) 0.000022	(U) 0.000022	(U) 0.000022
	SW04-111213-08	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW04-111313-14	mg/L	(U) 0.00002	(U) 0.00002	(U) 0.00002	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00002	(U) 0.000021	(U) 0.00004	(U) 0.00002	(U) 0.00002	(U) 0.00002
	DUP-111413-20	mg/L	(U) 0.00002	(U) 0.00002	(U) 0.00002	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00002	(U) 0.000021	(U) 0.00004	(U) 0.00002	(U) 0.00002	(U) 0.00002
	SW04-111413-19	mg/L	(U) 0.00002	(U) 0.00002	(U) 0.00002	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00004	(U) 0.00002	(U) 0.000021	(U) 0.00004	(U) 0.00002	(U) 0.00002	(U) 0.00002
	SW04-111513-25	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW04-111613-30	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW04-111713-35	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW04-111813-39	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW04-112613-49	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW04-120213-55	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	DUP-120913-61	mg/L	(J) 0.0001	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.00015	(J) 0.000069	(U) 0.000038	(J) 0.00012	(J) 0.00011	(J) 0.00011
	SW04-120913-60	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW04-121613-66	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	DUP-122313-72	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.00006	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(J) 0.00005
	SW04-122313-71	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	DUP-123013-78	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW04-123013-77	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	SW04-011314-88	mg/L	(U) 0.000019	(U) 0.000019	(U) 0.000019	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(U) 0.000038	(J) 0.000019	(U) 0.00002	(U) 0.000038	(U) 0.000019	(U) 0.000019	(U) 0.000019
	DUP-012014-94	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J B) 0.000082	(J) 0.000035	(U) 0.000043	(U) 0.000023	(U) 0.000033	(J B) 0.000065
	SW04-012014-93	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J B) 0.000079	(U) 0.000016	(U) 0.000043	(U) 0.000023	(U) 0.000033	(U) 0.000029
	SW04-012714-99	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(J) 0.00014	(U) 0.000034	(J) 0.0001	(U) 0.000058	(U) 0.000026	(U) 0.00005	(J) 0.00012	(U) 0.000016	(U) 0.000043	(U) 0.000023	(J) 0.000037	(J) 0.000098
	DUP-020614-105	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(U) 0.00005	(U) 0.000016	(U) 0.000043	(U) 0.000023	(U) 0.000033	(U) 0.000029

- Some sample results include lab qualifiers. The qualifier "U" indicates compound was not detected, in which case the reporting limit is provided in the table. The qualifier "J" indicates the compound was detected, but the value is an estimated value below the practical quantitation limit.

- Results highlighted orange indicate a compound was detected in the sample at or above the MDL.

Table 2: PAH Results - SURFACE WATER

			Analyte / Analytical Method															
Locatio..	Sample ID	Units	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benz[a]pyrene	Benz[b]fluoranthene	Benz[g,h,i]perylene	Benz[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyre..	Naphthalene	Phenanthrene	Pyrene
SW-04	SW04-020614-104	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(U) 0.00005	(U) 0.000016	(U) 0.000043	(U) 0.000023	(U) 0.000033	(U) 0.000029
	SW04-021114-110	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(U) 0.00005	(U) 0.000016	(U) 0.000043	(U) 0.000023	(U) 0.000033	(U) 0.000029
	SW04-021914-115	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(U) 0.00005	(U) 0.000016	(U) 0.000043	(J) 0.00011	(U) 0.000033	(U) 0.000029
	SW04-030514-123	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(U) 0.00005	(U) 0.000016	(U) 0.000043	(U) 0.000023	(U) 0.000033	(U) 0.000029
	SW04-031914-128	mg/L	(U) 0.000021	(U) 0.000021	(U) 0.000032	(U) 0.000037	(U) 0.000036	(U) 0.000034	(U) 0.000038	(U) 0.000058	(U) 0.000026	(U) 0.00005	(U) 0.00005	(U) 0.000016	(U) 0.000043	(U) 0.000023	(U) 0.000033	(U) 0.000029

- Some sample results include lab qualifiers. The qualifier "U" indicates compound was not detected, in which case the reporting limit is provided in the table. The qualifier "J" indicates the compound was detected, but the value is an estimated value below the practical quantitation limit.

- Results highlighted orange indicate a compound was detected in the sample at or above the MDL.

Table 3: YSI Water Quality Data - SURFACE WATER

Location	Day of Date	Parameter / Units			
		DO mg/L	pH s.u.	Sp. Conduct.. S/Cm	Temperature °C
SW01	12/23/2013	3.60	5.79		11.91
	12/30/2013	7.46	4.61	80.00	8.40
	1/7/2014	11.73	5.28	54.20	3.10
	1/13/2014	7.10	5.50	77.00	9.20
	1/20/2014	9.60	7.72	77.50	10.50
	1/27/2014	9.14	6.64	53.80	11.90
	2/6/2014	6.59	7.10	94.00	5.50
	2/11/2014	8.80	6.95	42.40	5.70
	2/19/2014	5.62	6.74	43.90	14.90
	3/5/2014	10.27	6.56	52.00	11.94
	3/19/2014	7.24	7.00	34.10	14.30
	4/2/2014	4.83	6.68	43.60	19.50
SW02	12/23/2013	3.75	5.79		11.33
	12/30/2013	7.42	4.61	76.00	8.12
	1/7/2014	8.40	5.28	52.00	0.70
	1/13/2014	6.90	5.50	68.00	8.90
	1/20/2014	9.70	7.72	44.80	6.80
	1/27/2014	9.52	6.64	49.80	8.30
	2/6/2014	11.62	7.10	36.50	4.70
	2/11/2014	7.69	6.95	38.00	5.80
	2/19/2014	6.27	6.31	41.40	14.30
	3/5/2014	9.31	5.66	47.00	7.18
	3/19/2014	6.35	6.94	35.10	13.30
	4/2/2014	3.55	6.43	40.00	18.40
SW03	12/23/2013	4.07	5.86		12.80
	12/30/2013	6.61	4.32	81.00	8.12
	1/7/2014	10.22	5.03	52.20	1.40
	1/13/2014	8.10	6.30	61.00	8.50
	1/20/2014	8.74	6.18	46.90	6.70
	1/27/2014	9.43	6.31	47.80	8.70
	2/6/2014	12.20	6.83	34.40	4.70
	2/11/2014	9.12	6.61	38.70	5.50
	2/19/2014	6.49	6.12	41.00	14.80
	3/5/2014	12.75	5.86	47.00	8.28
	3/19/2014	8.24	6.00	40.70	13.50
	4/2/2014	6.44	5.94	43.90	18.20
SW04	12/23/2013	8.72	6.07		11.09
	12/30/2013	8.43	5.60	64.00	8.21
	1/7/2014	9.59	5.02	36.60	1.00
	1/13/2014	9.30	6.20	40.00	8.80
	1/20/2014	11.80	6.51	37.90	10.10
	1/27/2014	11.82	6.07	40.30	12.00
	2/6/2014	11.30	6.67	33.00	5.10
	2/11/2014	10.98	6.34	27.10	5.90
	2/19/2014	9.30	5.97	23.40	15.40
	3/5/2014	5.73	5.83	41.00	10.54
	3/19/2014	25.50	6.06	25.50	15.70
	4/2/2014	8.72	5.88	27.90	19.80

-Water quality parameters reported as received by EnviroScience, Inc.

-Values in orange notate result may be suspect due to equipment error / tannins sediment