



**MICHIGAN DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENT
ENVIRONMENTAL LABORATORY**

P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-9800
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Division: WRD
Report to: STEVE NORTON
MDEQ-WRD-KALAMAZOO
7953 ADOBE ROAD
KALAMAZOO, MI 49009,

Total: \$1,824.00

Lab Work Order # : 10800295
Work Site ID : LB041061
Site Name : FLEETWOOD/BANGOR/BLACK
Received: 08/26/2011
Reported: 08/30/2011
Collected By: STEVE NORTON

Samples Received :

No:	Sample ID	Sample Description	Matrix:	Collection Date
01	AB80943	Downstream Park	WATER	08/26/2011
02	AB80944	Sewer Outfall	WATER	08/26/2011

I certify that the analysis performed by the MDEQ Environmental Laboratory are accurate and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency and other appropriate regulatory agencies.

George L. Krisztian,
Acting Laboratory Director



MICHIGAN DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENT
ENVIRONMENTAL LABORATORY

P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-9800
FAX: (517) 335-9600

Sample Number: AB80943 Downstream Park

Volatile Compounds

Analytical Method: 8260

Date Tested: 08/26/2011

Analyst: JRS

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
SURROGATE	#Bromofluorobenzene#	110			
SURROGATE	#Dibromofluoromethane#	98.7			
SURROGATE	#Toluene-d8#	93.8			
630-20-6	1,1,1,2-Tetrachloroethane	Not Detected	1.0		1.0
71-55-6	1,1,1-Trichloroethane	Not Detected	1.0		1.0
79-34-5	1,1,2,2-Tetrachloroethane	Not Detected	1.0		1.0
79-00-5	1,1,2-Trichloroethane	Not Detected	1.0		1.0
75-34-3	1,1-Dichloroethane	Not Detected	1.0		1.0
75-35-4	1,1-Dichloroethylene	Not Detected	1.0		1.0
87-61-6	1,2,3-Trichlorobenzene	Not Detected	5.0		1.0
96-18-4	1,2,3-Trichloropropane	Not Detected	1.0		1.0
526-73-8	1,2,3-Trimethylbenzene	Not Detected	1.0		1.0
120-82-1	1,2,4-Trichlorobenzene	Not Detected	5.0		1.0
95-63-6	1,2,4-Trimethylbenzene	Not Detected	1.0		1.0
96-12-8	1,2-Dibromo-3-chloropropane	Not Detected	5.0		1.0
106-93-4	1,2-Dibromoethane	Not Detected	1.0		1.0
95-50-1	1,2-Dichlorobenzene	Not Detected	1.0		1.0
107-06-2	1,2-Dichloroethane	Not Detected	1.0		1.0
78-87-5	1,2-Dichloropropane	Not Detected	1.0		1.0
108-67-8	1,3,5-Trimethylbenzene	Not Detected	1.0		1.0
541-73-1	1,3-Dichlorobenzene	Not Detected	1.0		1.0
106-46-7	1,4-Dichlorobenzene	Not Detected	1.0		1.0
78-93-3	2-Butanone (MEK)	Not Detected	5.0	5	1.0
591-78-6	2-Hexanone	Not Detected	5.0	5	1.0
91-57-6	2-Methylnaphthalene	Not Detected	5.0	X	1.0
67-64-1	2-Propanone (acetone)	Not Detected	20	5	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	Not Detected	5.0		1.0
107-13-1	Acrylonitrile	Not Detected	5.0	Z	1.0
71-43-2	Benzene	Not Detected	1.0		1.0
108-86-1	Bromobenzene	Not Detected	1.0		1.0
74-97-5	Bromochloromethane	Not Detected	1.0		1.0
75-27-4	Bromodichloromethane	Not Detected	1.0		1.0
75-25-2	Bromoform	Not Detected	1.0		1.0
74-83-9	Bromomethane	Not Detected	5.0		1.0
75-15-0	Carbon disulfide	Not Detected	1.0		1.0
56-23-5	Carbon tetrachloride	Not Detected	1.0		1.0
108-90-7	Chlorobenzene	Not Detected	1.0		1.0
75-00-3	Chloroethane	Not Detected	5.0		1.0
67-66-3	Chloroform	Not Detected	1.0		1.0
74-87-3	Chloromethane	Not Detected	5.0		1.0

CAS# : Chemical Abstract Service Registry Number

RL : Reporting Limit

ND : Not Detected

ug / L : microgram / liter (ppb)

mg / L : milligram / liter (ppm)

ug / Kg : microgram / kilogram (ppb)

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Laboratory Contacts

Inorganic Unit Mgr: Sandy Gregg

Organic Unit Mgr: Carol Smith

Systems Mgmt Unit: George Krisztian



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Sample Number: AB80943 Downstream Park

Volatile Compounds

Analytical Method: 8260

Date Tested: 08/26/2011

Analyst: JRS

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
156-59-2	cis-1,2-Dichloroethylene	Not Detected	1.0		1.0
10061-01-5	cis-1,3-Dichloropropylene	Not Detected	1.0		1.0
110-82-7	Cyclohexane	Not Detected	5.0		1.0
124-48-1	Dibromochloromethane	Not Detected	1.0		1.0
74-95-3	Dibromomethane	Not Detected	1.0		1.0
75-71-8	Dichlorodifluoromethane	Not Detected	5.0		1.0
60-29-7	Diethyl ether	Not Detected	5.0		1.0
108-20-3	Diisopropyl Ether	Not Detected	5.0		1.0
100-41-4	Ethylbenzene	Not Detected	1.0		1.0
637-92-3	Ethyltertiarybutylether	Not Detected	5.0		1.0
67-72-1	Hexachloroethane	Not Detected	5.0		1.0
98-82-8	Isopropylbenzene	Not Detected	1.0		1.0
108383,106423	m & p - Xylene	Not Detected	2.0		1.0
74-88-4	Methyl iodide	Not Detected	1.0		1.0
75-09-2	Methylene chloride	Not Detected	5.0	5	1.0
1634-04-4	Methyltertiarybutylether	Not Detected	1.0		1.0
91-20-3	Naphthalene	Not Detected	5.0	X	1.0
104-51-8	n-Butylbenzene	Not Detected	1.0		1.0
103-65-1	n-Propylbenzene	Not Detected	1.0		1.0
95-47-6	o-Xylene	Not Detected	1.0		1.0
99-87-6	p-Isopropyl toluene	Not Detected	1.0		1.0
135-98-8	sec-Butylbenzene	Not Detected	1.0		1.0
100-42-5	Styrene	Not Detected	1.0		1.0
98-06-6	tert-Butylbenzene	Not Detected	1.0		1.0
75-65-0	tertiary Butyl Alcohol	Not Detected	50	G	1.0
994-05-8	tertiaryAmylmethylether	Not Detected	5.0		1.0
127-18-4	Tetrachloroethylene	Not Detected	1.0		1.0
109-99-9	Tetrahydrofuran	Not Detected	5.0		1.0
108-88-3	Toluene	Not Detected	1.0		1.0
156-60-5	trans-1,2-Dichloroethylene	Not Detected	1.0		1.0
10061-02-6	trans-1,3-Dichloropropylene	Not Detected	1.0		1.0
110-57-6	trans-1,4-Dichloro-2-butene	Not Detected	5.0	Z	1.0
79-01-6	Trichloroethylene	Not Detected	1.0		1.0
75-69-4	Trichlorofluoromethane	Not Detected	1.0		1.0
75-01-4	Vinyl chloride	Not Detected	1.0		1.0

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Sample Number: AB80943 Downstream Park

Base Neutral Acids with Library Search

Analytical Method: 8270
Extraction Method: 3510

Date Tested: 08/26/2011
Extraction Date: 08/26/2011

Analyst: SMH
Qualifier: Volume: 980

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
SURROGATE	#2 - Fluorobiphenyl#	72.6			
SURROGATE	#2,4,6-Tribromophenol#	94.4			
SURROGATE	#2-Fluorophenol#	31.9			
SURROGATE	#Nitrobenzene - D5#	69.6			
SURROGATE	#Phenol - D6#	18.3			
SURROGATE	#p-Terphenyl-D14#	63.1			
	*2,5-Dimethylphenol	14		LB	
	*Benzaldehyde	6.0		LB	
	*Benzonitrile	6.6		LB	
	*Diethyltoluamide	17		LB	
	*Dimethoxy-phenol	9.2		LB	
	*Dimethyl ester pentanedioic acid	6.4		LB	
	*Ethyl-hexanoic acid	5.9		LB	
	*Ethyl-phenol	5.0		LB	
	*Furfurl	32		LB	
	*Hydroxy-methoxy-benzaldehyde	5.1		LB	
	*Isobenzofuranone	6.1		LB	
	*Methyl-benzoic acid	5.0		LB	
	*Methylethylidene-bis-phenol	7.7		LB	
	*Methylethyl-phenol	15		LB	
120-82-1	1,2,4-Trichlorobenzene	Not Detected	2.0		1.0
95-95-4	2,4,5-Trichlorophenol	Not Detected	5.1		1.0
88-06-2	2,4,6-Trichlorophenol	Not Detected	4.1		1.0
120-83-2	2,4-Dichlorophenol	Not Detected	10		1.0
105-67-9	2,4-Dimethylphenol	35	5.1		1.0
51-28-5	2,4-Dinitrophenol	Not Detected	26	5	1.0
121-14-2	2,4-Dinitrotoluene	Not Detected	5.1		1.0
606-20-2	2,6-Dinitrotoluene	Not Detected	5.1		1.0
95-51-2	2-Chloroaniline	Not Detected	5.1		1.0
91-58-7	2-Chloronaphthalene	Not Detected	2.0		1.0
95-57-8	2-Chlorophenol	Not Detected	10		1.0
534-52-1	2-Methyl-4,6-dinitrophenol	Not Detected	20		1.0
91-57-6	2-Methylnaphthalene	Not Detected	5.1		1.0
95-48-7	2-Methylphenol (o-Cresol)	57	10		1.0
88-74-4	2-Nitroaniline	Not Detected	20		1.0
88-75-5	2-Nitrophenol	Not Detected	5.1		1.0
108394,106445	3 & 4-Methylphenol	38	20		1.0
99-09-2	3-Nitroaniline	Not Detected	20		1.0
101-55-3	4-Bromophenyl phenyl ether	Not Detected	2.0		1.0
59-50-7	4-Chloro-3-methyl-phenol	Not Detected	5.1		1.0

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Sample Number: AB80943 Downstream Park

Base Neutral Acids with Library Search

Analytical Method: 8270
Extraction Method: 3510

Date Tested: 08/26/2011
Extraction Date: 08/26/2011

Analyst: SMH
Qualifier: Volume: 980

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
106-47-8	4-Chloroaniline	Not Detected	10		1.0
7005-72-3	4-Chlorodiphenylether	Not Detected	1.0		1.0
100-01-6	4-Nitroaniline	Not Detected	20		1.0
100-02-7	4-Nitrophenol	Not Detected	26		1.0
83-32-9	Acenaphthene	Not Detected	1.0		1.0
208-96-8	Acenaphthylene	1.7	1.0		1.0
62-53-3	Aniline	Not Detected	4.1		1.0
120-12-7	Anthracene	Not Detected	1.0		1.0
103-33-3	Azobenzene	Not Detected	2.0		1.0
56-55-3	Benzo[a]anthracene	Not Detected	1.0		1.0
50-32-8	Benzo[a]pyrene	Not Detected	1.0		1.0
205-99-2	Benzo[b]fluoranthene	Not Detected	1.0		1.0
191-24-2	Benzo[g,h,i]perylene	Not Detected	1.0		1.0
207-08-9	Benzo[k]fluoranthene	Not Detected	1.0		1.0
100-51-6	Benzyl Alcohol	Not Detected	51	5	1.0
111-91-1	Bis(2-chloroethoxy)methane	Not Detected	2.0		1.0
111-44-4	Bis(2-chloroethyl)ether	Not Detected	1.0		1.0
108-60-1	Bis(2-chloroisopropyl)ether	Not Detected	1.0		1.0
117-81-7	Bis(2-ethylhexyl)phthalate	Not Detected	5.1		1.0
85-68-7	Butyl benzyl phthalate	Not Detected	5.1		1.0
86-74-8	Carbazole	Not Detected	5.1		1.0
218-01-9	Chrysene	Not Detected	1.0		1.0
53-70-3	Dibenz[a,h]anthracene	Not Detected	2.0		1.0
132-64-9	Dibenzofuran	Not Detected	4.1		1.0
84-66-2	Diethylphthalate	Not Detected	5.1		1.0
131-11-3	Dimethyl phthalate	Not Detected	5.1		1.0
84-74-2	Di-n-butyl phthalate	Not Detected	5.1		1.0
117-84-0	Di-n-octyl phthalate	Not Detected	5.1		1.0
206-44-0	Fluoranthene	Not Detected	1.0		1.0
86-73-7	Fluorene	Not Detected	1.0		1.0
118-74-1	Hexachlorobenzene	Not Detected	1.0		1.0
87-68-3	Hexachlorobutadiene	Not Detected	1.0		1.0
77-47-4	Hexachlorocyclopentadiene	Not Detected	10	Z	1.0
67-72-1	Hexachloroethane	Not Detected	1.0		1.0
193-39-5	Indeno(1,2,3-c,d)pyrene	Not Detected	2.0		1.0
78-59-1	Isophorone	Not Detected	1.0		1.0
121-69-7	N,N-dimethylaniline	Not Detected	5.1		1.0
91-20-3	Naphthalene	3.3	1.0		1.0
98-95-3	Nitrobenzene	Not Detected	2.0		1.0
100-61-8	N-methylaniline	Not Detected	1.0		1.0

CAS# : Chemical Abstract Service Registry Number
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mg / L : milligram / liter (ppm)
ug / Kg : microgram / kilogram (ppb)
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Sample Number: AB80943 **Downstream Park**

Base Neutral Acids with Library Search

Analytical Method: 8270
Extraction Method: 3510

Date Tested: 08/26/2011
Extraction Date: 08/26/2011

Analyst: SMH
Qualifier: **Volume:** 980

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
67-75-9	N-Nitrosodimethylamine	Not Detected	5.1		1.0
621-64-7	N-Nitrosodi-n-propylamine	Not Detected	2.0		1.0
86-30-6	N-Nitrosodiphenylamine	Not Detected	2.0		1.0
87-86-5	Pentachlorophenol	Not Detected	20		1.0
85-01-8	Phenanthrene	0.9	1.0	T	1.0
108-95-2	Phenol	91	5.1		1.0
129-00-0	Pyrene	Not Detected	1.0		1.0
110-86-1	Pyridine	Not Detected	20		1.0
632-22-4	Tetramethylurea	Not Detected	1.0		1.0

Sample Number: AB80943 **Downstream Park**

CAS#	Analyte Name	Result	Unit	RL	Qualifier	Date Tested	Method	Analyst
	Digestion Metals Water	Completed				08/27/2011	3010/200	KS
	Digestion Mercury Water	Completed				08/27/2011	7470/245.1	TS
7439-97-6	Mercury - Total	ND	µg/L	0.2		08/27/2011	7470/245.1	TS
7440-38-2	Arsenic - Total	3.6	µg/L	1		08/27/2011	6020/200.8	KS
7440-39-3	Barium - Total	82	µg/L	5		08/29/2011	6020/200.8	KS
7440-43-9	Cadmium - Total	ND	µg/L	0.2		08/27/2011	6020/200.8	KS
7440-47-3	Chromium - Total	ND	µg/L	1		08/27/2011	6020/200.8	KS
7440-50-8	Copper - Total	1.5	µg/L	1		08/27/2011	6020/200.8	KS
7439-92-1	Lead - Total	ND	µg/L	1		08/27/2011	6020/200.8	KS
7782-49-2	Selenium - Total	ND	µg/L	1		08/27/2011	6020/200.8	KS
7440-22-4	Silver -Total	ND	µg/L	0.2		08/27/2011	6020/200.8	KS
7440-66-6	Zinc - Total	ND	µg/L	10		08/27/2011	6020/200.8	KS
	Priority 1 Costs	Completed				08/26/2011		CS1

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Sample Number: AB80944 Sewer Outfall

Volatile Compounds

Analytical Method: 8260

Date Tested: 08/26/2011

Analyst: JRS

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
SURROGATE	#Bromofluorobenzene#	110			
SURROGATE	#Dibromofluoromethane#	101			
SURROGATE	#Toluene-d8#	94.0			
630-20-6	1,1,1,2-Tetrachloroethane	Not Detected	1.0		1.0
71-55-6	1,1,1-Trichloroethane	Not Detected	1.0		1.0
79-34-5	1,1,2,2-Tetrachloroethane	Not Detected	1.0		1.0
79-00-5	1,1,2-Trichloroethane	Not Detected	1.0		1.0
75-34-3	1,1-Dichloroethane	Not Detected	1.0		1.0
75-35-4	1,1-Dichloroethylene	Not Detected	1.0		1.0
87-61-6	1,2,3-Trichlorobenzene	Not Detected	5.0		1.0
96-18-4	1,2,3-Trichloropropane	Not Detected	1.0		1.0
526-73-8	1,2,3-Trimethylbenzene	Not Detected	1.0		1.0
120-82-1	1,2,4-Trichlorobenzene	Not Detected	5.0		1.0
95-63-6	1,2,4-Trimethylbenzene	Not Detected	1.0		1.0
96-12-8	1,2-Dibromo-3-chloropropane	Not Detected	5.0		1.0
106-93-4	1,2-Dibromoethane	Not Detected	1.0		1.0
95-50-1	1,2-Dichlorobenzene	Not Detected	1.0		1.0
107-06-2	1,2-Dichloroethane	Not Detected	1.0		1.0
78-87-5	1,2-Dichloropropane	Not Detected	1.0		1.0
108-67-8	1,3,5-Trimethylbenzene	Not Detected	1.0		1.0
541-73-1	1,3-Dichlorobenzene	Not Detected	1.0		1.0
106-46-7	1,4-Dichlorobenzene	Not Detected	1.0		1.0
78-93-3	2-Butanone (MEK)	19	5.0	5	1.0
591-78-6	2-Hexanone	Not Detected	5.0	5	1.0
91-57-6	2-Methylnaphthalene	Not Detected	5.0	X	1.0
67-64-1	2-Propanone (acetone)	97	20	5	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	Not Detected	5.0		1.0
107-13-1	Acrylonitrile	Not Detected	5.0	Z	1.0
71-43-2	Benzene	3.0	1.0		1.0
108-86-1	Bromobenzene	Not Detected	1.0		1.0
74-97-5	Bromochloromethane	Not Detected	1.0		1.0
75-27-4	Bromodichloromethane	Not Detected	1.0		1.0
75-25-2	Bromoform	Not Detected	1.0		1.0
74-83-9	Bromomethane	Not Detected	5.0		1.0
75-15-0	Carbon disulfide	Not Detected	1.0		1.0
56-23-5	Carbon tetrachloride	Not Detected	1.0		1.0
108-90-7	Chlorobenzene	Not Detected	1.0		1.0
75-00-3	Chloroethane	Not Detected	5.0		1.0
67-66-3	Chloroform	Not Detected	1.0		1.0
74-87-3	Chloromethane	Not Detected	5.0		1.0

CAS# : Chemical Abstract Service Registry Number

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ND : Not Detected

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Sample Number: AB80944 Sewer Outfall

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Analytical Method: 8260

Date Tested: 08/26/2011

Analyst: JRS

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
156-59-2	cis-1,2-Dichloroethylene	Not Detected	1.0		1.0
10061-01-5	cis-1,3-Dichloropropylene	Not Detected	1.0		1.0
110-82-7	Cyclohexane	Not Detected	5.0		1.0
124-48-1	Dibromochloromethane	Not Detected	1.0		1.0
74-95-3	Dibromomethane	Not Detected	1.0		1.0
75-71-8	Dichlorodifluoromethane	Not Detected	5.0		1.0
60-29-7	Diethyl ether	Not Detected	5.0		1.0
108-20-3	Diisopropyl Ether	Not Detected	5.0		1.0
100-41-4	Ethylbenzene	Not Detected	1.0		1.0
637-92-3	Ethyltertiarybutylether	Not Detected	5.0		1.0
67-72-1	Hexachloroethane	Not Detected	5.0		1.0
98-82-8	Isopropylbenzene	Not Detected	1.0		1.0
108383,106423	m & p - Xylene	Not Detected	2.0		1.0
74-88-4	Methyl iodide	Not Detected	1.0		1.0
75-09-2	Methylene chloride	Not Detected	5.0	5	1.0
1634-04-4	Methyltertiarybutylether	Not Detected	1.0		1.0
91-20-3	Naphthalene	Not Detected	5.0	X	1.0
104-51-8	n-Butylbenzene	Not Detected	1.0		1.0
103-65-1	n-Propylbenzene	Not Detected	1.0		1.0
95-47-6	o-Xylene	Not Detected	1.0		1.0
99-87-6	p-Isopropyl toluene	Not Detected	1.0		1.0
135-98-8	sec-Butylbenzene	Not Detected	1.0		1.0
100-42-5	Styrene	3.2	1.0		1.0
98-06-6	tert-Butylbenzene	Not Detected	1.0		1.0
75-65-0	tertiary Butyl Alcohol	Not Detected	50	G	1.0
994-05-8	tertiaryAmylmethylether	Not Detected	5.0		1.0
127-18-4	Tetrachloroethylene	1.0	1.0		1.0
109-99-9	Tetrahydrofuran	Not Detected	5.0		1.0
108-88-3	Toluene	1.9	1.0		1.0
156-60-5	trans-1,2-Dichloroethylene	Not Detected	1.0		1.0
10061-02-6	trans-1,3-Dichloropropylene	Not Detected	1.0		1.0
110-57-6	trans-1,4-Dichloro-2-butene	Not Detected	5.0	Z	1.0
79-01-6	Trichloroethylene	Not Detected	1.0		1.0
75-69-4	Trichlorofluoromethane	Not Detected	1.0		1.0
75-01-4	Vinyl chloride	Not Detected	1.0		1.0

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Sample Number: AB80944 Sewer Outfall

Base Neutral Acids with Library Search

Analytical Method: 8270
Extraction Method: 3510

Date Tested: 08/26/2011
Extraction Date: 08/26/2011

Analyst: SMH
Qualifier: Volume: 970

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
SURROGATE	#2 - Fluorobiphenyl#	70.0			
SURROGATE	#2,4,6-Tribromophenol#	102			
SURROGATE	#2-Fluorophenol#	37.9			
SURROGATE	#Nitrobenzene - D5#	78.8			
SURROGATE	#Phenol - D6#	26.7			
SURROGATE	#p-Terphenyl-D14#	39.4		9	
	*Benzaldehyde	10		LB	
	*Benzenebutanenitrile	38		LB	
	*Dimethoxy-phenol	18		LB	
	*Dodecanoic acid	21		LB	
	*Ethylbenzene	8.9		LB	
	*Furfural	31		LB	
	*hydroxy-methoxy-benzaldehyde	11		LB	
	*m,p-Xylene	27		LB	
	*methylethylidene-bis-phenol	11		LB	
	*Methyl-furancarboxaldehyde	11		LB	
	*Styrene	14		LB	
	*Toluene	6.3		LB	
120-82-1	1,2,4-Trichlorobenzene	Not Detected	2.1		1.0
95-95-4	2,4,5-Trichlorophenol	Not Detected	5.2		1.0
88-06-2	2,4,6-Trichlorophenol	Not Detected	4.1		1.0
120-83-2	2,4-Dichlorophenol	Not Detected	10		1.0
105-67-9	2,4-Dimethylphenol	69	5.2		1.0
51-28-5	2,4-Dinitrophenol	Not Detected	26	5	1.0
121-14-2	2,4-Dinitrotoluene	Not Detected	5.2		1.0
606-20-2	2,6-Dinitrotoluene	Not Detected	5.2		1.0
95-51-2	2-Chloroaniline	Not Detected	5.2		1.0
91-58-7	2-Chloronaphthalene	Not Detected	2.1		1.0
95-57-8	2-Chlorophenol	Not Detected	10		1.0
534-52-1	2-Methyl-4,6-dinitrophenol	Not Detected	21		1.0
91-57-6	2-Methylnaphthalene	Not Detected	5.2		1.0
95-48-7	2-Methylphenol (o-Cresol)	120	10		1.0
88-74-4	2-Nitroaniline	Not Detected	21		1.0
88-75-5	2-Nitrophenol	Not Detected	5.2		1.0
108394,106445	3 & 4-Methylphenol	170	21		1.0
99-09-2	3-Nitroaniline	Not Detected	21		1.0
101-55-3	4-Bromophenyl phenyl ether	Not Detected	2.1		1.0
59-50-7	4-Chloro-3-methyl-phenol	Not Detected	5.2		1.0
106-47-8	4-Chloroaniline	Not Detected	10		1.0
7005-72-3	4-Chlorodiphenylether	Not Detected	1.0		1.0

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Sample Number: AB80944 Sewer Outfall

Base Neutral Acids with Library Search

Analytical Method: 8270
Extraction Method: 3510

Date Tested: 08/26/2011
Extraction Date: 08/26/2011

Analyst: SMH
Qualifier: Volume: 970

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
100-01-6	4-Nitroaniline	Not Detected	21		1.0
100-02-7	4-Nitrophenol	Not Detected	26		1.0
83-32-9	Acenaphthene	12	1.0		1.0
208-96-8	Acenaphthylene	12	1.0		1.0
62-53-3	Aniline	Not Detected	4.1		1.0
120-12-7	Anthracene	1.0	1.0		1.0
103-33-3	Azobenzene	Not Detected	2.1		1.0
56-55-3	Benzo[a]anthracene	Not Detected	1.0		1.0
50-32-8	Benzo[a]pyrene	Not Detected	1.0		1.0
205-99-2	Benzo[b]fluoranthene	Not Detected	1.0		1.0
191-24-2	Benzo[g,h,i]perylene	Not Detected	1.0		1.0
207-08-9	Benzo[k]fluoranthene	Not Detected	1.0		1.0
100-51-6	Benzyl Alcohol	66	52	5	1.0
111-91-1	Bis(2-chloroethoxy)methane	Not Detected	2.1		1.0
111-44-4	Bis(2-chloroethyl)ether	Not Detected	1.0		1.0
108-60-1	Bis(2-chloroisopropyl)ether	Not Detected	1.0		1.0
117-81-7	Bis(2-ethylhexyl)phthalate	8.3	5.2		1.0
85-68-7	Butyl benzyl phthalate	Not Detected	5.2		1.0
86-74-8	Carbazole	Not Detected	5.2		1.0
218-01-9	Chrysene	Not Detected	1.0		1.0
53-70-3	Dibenz[a,h]anthracene	Not Detected	2.1		1.0
132-64-9	Dibenzofuran	Not Detected	4.1		1.0
84-66-2	Diethylphthalate	Not Detected	5.2		1.0
131-11-3	Dimethyl phthalate	Not Detected	5.2		1.0
84-74-2	Di-n-butyl phthalate	Not Detected	5.2		1.0
117-84-0	Di-n-octyl phthalate	Not Detected	5.2		1.0
206-44-0	Fluoranthene	1.6	1.0		1.0
86-73-7	Fluorene	2.5	1.0		1.0
118-74-1	Hexachlorobenzene	Not Detected	1.0		1.0
87-68-3	Hexachlorobutadiene	Not Detected	1.0		1.0
77-47-4	Hexachlorocyclopentadiene	Not Detected	10	Z	1.0
67-72-1	Hexachloroethane	Not Detected	1.0		1.0
193-39-5	Indeno(1,2,3-c,d)pyrene	Not Detected	2.1		1.0
78-59-1	Isophorone	Not Detected	1.0		1.0
121-69-7	N,N-dimethylaniline	Not Detected	5.2		1.0
91-20-3	Naphthalene	22	1.0		1.0
98-95-3	Nitrobenzene	Not Detected	2.1		1.0
100-61-8	N-methylaniline	Not Detected	1.0		1.0
67-75-9	N-Nitrosodimethylamine	Not Detected	5.2		1.0
621-64-7	N-Nitrosodi-n-propylamine	Not Detected	2.1		1.0

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Sample Number: AB80944 **Sewer Outfall**

Base Neutral Acids with Library Search

Analytical Method: 8270
Extraction Method: 3510

Date Tested: 08/26/2011
Extraction Date: 08/26/2011

Analyst: SMH
Qualifier: **Volume:** 970

CAS #	Compound	Result ug/L	RL	Qualifier	Dilution Factor
86-30-6	N-Nitrosodiphenylamine	Not Detected	2.1		1.0
87-86-5	Pentachlorophenol	Not Detected	21		1.0
85-01-8	Phenanthrene	7.6	1.0		1.0
108-95-2	Phenol	Not Detected	5.2		1.0
129-00-0	Pyrene	1.4	1.0		1.0
110-86-1	Pyridine	Not Detected	21		1.0
632-22-4	Tetramethylurea	Not Detected	1.0		1.0

Result(s) and RL(s) are estimated for base/neutral compounds due to low surrogate recovery.

Sample Number: AB80944 **Sewer Outfall**

CAS#	Analyte Name	Result	Unit	RL	Qualifier	Date Tested	Method	Analyst
	Digestion Metals Water	Completed				08/27/2011	3010/200	KS
	Digestion Mercury Water	Completed				08/27/2011	7470/245.1	TS
7439-97-6	Mercury - Total	ND	µg/L	0.2		08/27/2011	7470/245.1	TS
7440-38-2	Arsenic - Total	2.2	µg/L	1		08/27/2011	6020/200.8	KS
7440-39-3	Barium - Total	120	µg/L	5		08/29/2011	6020/200.8	KS
7440-43-9	Cadmium - Total	1.5	µg/L	0.2		08/27/2011	6020/200.8	KS
7440-47-3	Chromium - Total	5.9	µg/L	1		08/27/2011	6020/200.8	KS
7440-50-8	Copper - Total	29	µg/L	1		08/27/2011	6020/200.8	KS
7439-92-1	Lead - Total	5.4	µg/L	1		08/27/2011	6020/200.8	KS
7782-49-2	Selenium - Total	ND	µg/L	1		08/27/2011	6020/200.8	KS
7440-22-4	Silver -Total	ND	µg/L	0.2		08/27/2011	6020/200.8	KS
7440-66-6	Zinc - Total	1300	µg/L	10	D	08/27/2011	6020/200.8	KS

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Qualifier Code	Qualifier Description
1	Result(s) and RL(s) are estimated due to low surrogate recovery.
2	Result is estimated due to high surrogate recovery.
3	Result(s) and RL(s) are estimated due to low matrix spike recovery.
4	Result is estimated due to high matrix spike recovery.
5	Result and RL are estimated due to low continuing calibration standard criteria failure.
6	Result is estimated due to high continuing calibration standard criteria failure.
7	Result(s) and RL(s) are estimated due to poor precision.
8	Result(s) and RL(s) are estimated due to low recovery of batch QC.
9	Result outside QC acceptance criteria.
A	Value reported is the mean of two or more determinations.
C	Value calculated from other independent parameters.
D	Analyte value quantified from a dilution(s); reporting limit (RL) raised.
E	Result is estimated due to high recovery of batch QC.
F	Amenable cyanide was not analyzed due to low level of total cyanide.
G	Result and RL are estimated due to initial calibration standard criteria failure.
H	Recommended laboratory holding time was exceeded.
I	Dilution required due to matrix interference; reporting limit (RL) raised.
J	Analyte was positively identified. Value is an estimate.
JA	Result is estimated due to multiple Aroclors present.
JC	Result is estimated since confirmation analysis did not meet acceptance criteria
JD	Due to severe degradation, specific Aroclor identification is difficult and quantitation is estimated.
K	RL(s) raised due to matrix interferences.
KR	RL(s) raised due to low sample volume submitted.
KS	RL(s) raised due to low total solids.
KW	RL(s) raised due to light sample weight.
LB	Reported library search compounds are tentative identifications with estimated concentrations.
M	The level of the method preparation blank (MPB) is reported in the qualifier column.
N	Non-homogeneous sample made analysis of sample questionable.
O	Result and RL estimated due to analysis from an open vial.
P	Recommended sample collection/preservation technique not used; reported result(s) is an estimate.
PI	Possible interference may have affected the accuracy of the laboratory result
Q	Quantity of sample insufficient to perform analyses requested.
R	Result confirmed by re-extraction and analysis.
S	Supernatant analyzed.
T	Reported value is less than the reporting limit (RL). Result is estimated.
V	Value not available due to dilution.
W	Reported value is less than the method detection limit (MDL).
X	Methods 8260 & 624 are used to analyze volatile organics that have boiling points below 200°C. 2-Methylnaphthalene & naphthalene have boiling points above 200°C and are better suited to analysis by methods 8270 or 625 as semivolatile organics.
Z	Result reported below the RL to meet the TDL in RRD Op Memo 2 (10/22/04) multiplied by applicable dilution factor.

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