June 1, 2016

Mr. Kevin Gregory
Director, Consultant Management Bureau
NYS Dept. of Transportation
POD # 33
50 Wolf Road
Albany, NY 12232

Attention: Mr. Michael Tegza

Re: PIN 8807.31.101 Harrison Spill Site (Spill #94-07349)
Harrison Sub-Residency
Westchester County, New York

Dear Mr. Tegza:

The following letter report summarizes the field investigative procedures and results of the groundwater monitoring well sampling conducted by HDR Engineering, Inc. (HDR) on behalf of the New York State Department of Transportation (DOT) at the above-referenced site (Figure 1). The sampling was conducted in accordance with our scope of work, which was approved by DOT via email on January 7, 2016. The scope of work was developed in accordance with the NYSDOT *Operation and Maintenance Plan for the Harrison Sub-Residency, Landfill and Petroleum Spill Area, February 2010* and to meet the monitoring requirements of the New York State Department of Environmental Conservation (NYSDEC) relating to Spill #94-07349. The spill was closed by the NYSDEC on October 10, 2002 when the air sparge/soil vapor extraction (AS/SVE) system was shut down. The AS/SVE system was in operation for a total of two years.

Currently the post-closure sampling and monitoring program is performed every fifth quarter. Nearly all of the monitoring wells initially included in the sampling program have been decommissioned by DOT. The following wells, MW-11 and PC-1, were sampled during the April 2016 sampling event and are shown on Figure 2.

hdrinc.com

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Field Investigative Procedures

In April 2016, HDR sampled the groundwater wells (MW-11 and PC-1) to monitor the migration and natural attenuation of the contaminant plume. Prior to commencing site activities, HDR conducted a visual inspection of the monitoring well casings and well heads to note any signs of damage or tampering. Static water level and total depth measurements from both groundwater monitoring wells were also recorded. Field instrumentation for the event was calibrated according to the respective manufacturer's standards daily.

HDR obtained samples from two groundwater monitoring wells (MW-11 and PC-1) for chemical analysis using conventional sampling techniques. Each well was first purged of three well volumes or until dry using a Whale pump equipped with a Rheostat (for adjustable flow) and dedicated tubing. Field parameters of temperature, turbidity, dissolved oxygen (DO), pH, specific conductivity, total dissolved solids, salinity, and oxidation-reduction potential (Eh) were collected during purging and at the start of sampling at each well and recorded on sampling logs included as Attachment A. The monitoring wells were sampled once they recovered to approximately 75% of their initial volume or within two hours, whichever came first. Groundwater samples were collected for contract laboratory analysis from each location using a dedicated bailer. Samples were transferred to clean, pre-preserved laboratory-supplied containers for analysis of BTEX (benzene, toluene, ethylbenzene and total xylenes) plus MTBE (methyl tertiary butyl ether), and the natural attenuation parameters: iron (dissolved, Fe-II), manganese (dissolved, Mn-II), bicarbonate alkalinity (as HCO_3), alkalinity (total), nitrate (NO_3), and sulfate (SO_4). Metals samples were filtered and preserved upon receipt at the laboratory. In addition, one (1) groundwater field duplicate was collected from monitoring well PC-1 and one (1) trip blank was submitted for quality control/quality assurance (QA/QC) purposes. The duplicate sample was collected at the same time and for the same parameters as the original sample. The duplicate sample was given a "fictitious" sample ID (PC-10) as to not indicate to the laboratory that it was a duplicate sample. Samples were then placed on ice in coolers until the laboratory courier picked them up for delivery.

Groundwater Sampling Results

Groundwater sampling results from April 2016 are summarized on Table 1. The results were compared to the NYSDEC Class GA standards or guidance values (GV). The laboratory data package is included as Attachment B. (Note that the Harrison Sub-Residency spill site was sampled concurrently with the landfill area; therefore, the data

package includes results from both sample sites). A figure of the historic well locations and related data are included in Attachment C.

The monitoring wells sampled are located downgradient or sidegradient of the plume. MW-11 is located downgradient of the source area and within the leading edge of the plume. Of the BTEX compounds, all were reported at detectable concentrations with the exception of toluene. The following are the reported concentrations with the Class GA standard in parentheses for comparison purposes: benzene 0.82 μg/l (1 μg/l), ethylbenzene 93 μg/l (5 μg/l), m&p-xylenes 9.9 μg/l (5 μg/l), and o-xylene 2.1 μg/l (5 μg/l) for a total BTEX concentration of 105.82 μg/l (100 μg/l). BTEX compounds were not detected at PC-1 located downgradient/sidegradient of the plume. MTBE was not detected in either of the wells sampled.

Dissolved iron and dissolved manganese were detected in the samples collected from MW-11 at 2,600 and 3,300 μg/l, respectively. Dissolved iron was not detected in PC-1; however, manganese was detected at a concentration of 28 μg/l. The Class GA standard for both iron and manganese is 300 μg/l.

Total alkalinity and bicarbonate alkalinity results were the same at each of the respective wells; the concentration at MW-11 was 240 mg/l and the concentration at PC-1 was 310 mg/l. A Class GA standard has not been established for alkalinity. Nitrate was not detected at either location. Sulfate was detected in the sample collected from MW-11 at a concentration of 8 mg/l and in the sample collected from PC-1 at a concentration of 12 mg/l. Both results were less than the Class GA standard of 250 mg/l. Field parameters are discussed below in relation to the results and assessing the natural attenuation trends.

QA/QC Sampling Results

A duplicate sample was collected from groundwater monitoring well PC-1 for QA/QC purposes. The relative percent difference (RPD) is calculated using the following formula:

$$\% \text{ RPD} = \frac{X_1 - X_2}{(X_1 + X_2)/2} * 100\%$$

where, X1 is the original value (PC-1), and
X2 is the duplicate value (PC-10)

RPD was not calculated for results where one or both samples were non-detect, which was the case for all parameters analyzed.

One trip blank was submitted and all results were non-detect.

Discussion

As seen in the past, BTEX results obtained from the down/sidegradient well, PC-1, are non-detect at the respective analytical reporting limits. BTEX concentrations at MW-11 have increased since the last fifth quarterly sampling event; however, are comparable to what has been observed over recent historic monitoring events. Although there have been some increases or decreases over time, the concentrations suggest a stable plume. In general, results obtained from the natural attenuation parameters analyzed indicate aerobic conditions may be present at the site. Elevated levels of dissolved iron and dissolved manganese in the sample collected from MW-11 in comparison to PC-1, which is well outside the plume area, is evidence that some natural biodegradation is likely occurring. NYSDOT will continue to monitor the remaining Spill site wells on a fifth-quarterly basis.

If you have any questions or need additional information, please do not hesitate to contact me.

Sincerely,

Melissa E. LaMacchia
Associate | Project Manager

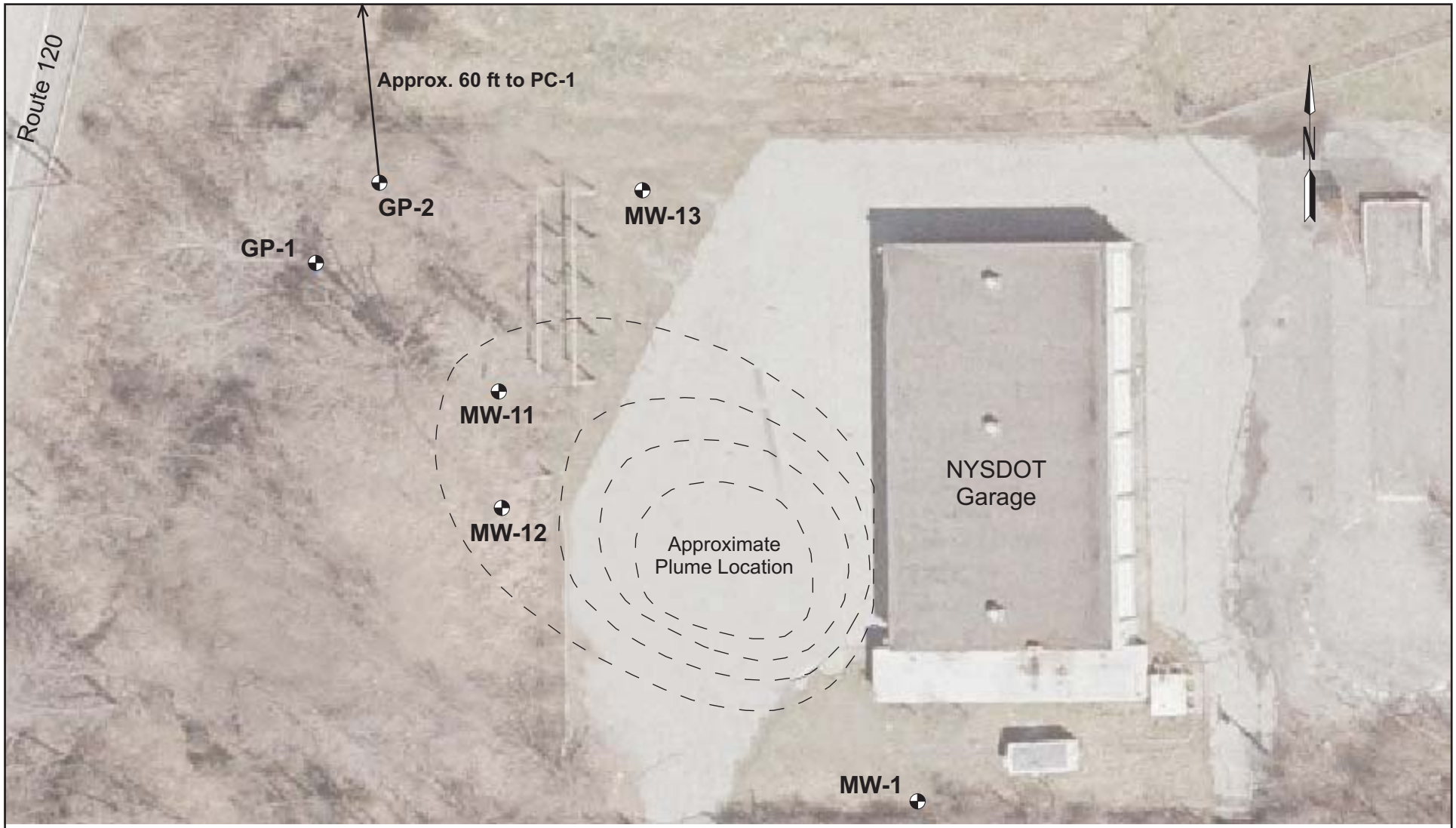
cc: G. Fitzgerald, NYSDOT Region 8

Attachments

FIGURES

Name: GLENVILLE
Date: 1/23/2008
Scale: 1 inch equals 2000 feet

Location: 041° 04' 00.92" N 073° 42' 27.38" W NAD 27
Caption: Figure 1 - Site Location
Harrison Subresidency Site



LEGEND

⊕ Monitoring well location

NOTE:

Monitoring Well PC-1 is located north of the site within the Landfill Area

Source: NYSDOT

0 60 ft

APPROX. SCALE (ft)

\220724\F2SpillSiteMWlocations.des

HDR Engineering, Inc. 1 International Blvd. Mahwah, NJ 07495	**Spill Site Monitoring Well Locations** **HARRISON SUBRESIDENCY POST-CLOSURE FIFTH QUARTERLY MONITORING REPORT** **NYSDOT PIN: 8806.51.301**	**Figure 2**

TABLE

TABLE 1
GROUNDWATER DATA SUMMARY
Fifth Quarter Sampling - Harrison Spill Site
April 2016

PARAMETER	*Downgradient/Sidegradient* MW-11 4/12/2016	PC-1 4/12/2016	*Duplicate PC-1* PC-10 4/12/2016	Trip Blank 4/12/2016	NYSDEC Class GA Standards (a)
Volatile Organic Compounds (ug/l)					
Benzene	0.82	ND	ND	ND	**1**
Ethylbenzene	**93**	ND	ND	ND	**5**
Toluene	ND	ND	ND	ND	**5**
m&p-Xylenes	**9.9**	ND	ND	ND	**5**
o-Xylenes	2.1	ND	ND	ND	**5**
Total BTEX	**105.82**	ND	ND	ND	**100**
Methyl tert butyl ether (MTBE)	ND	ND	ND	ND	**50 GV**
Metals (ug/l)					
Iron	**2,600**	ND	ND	♦	**300**
Manganese	**3,300**	28	ND	♦	**300**
Natural Attenuation Parameters (mg/l)					
Total Alkalinity	240	310	♦	♦	**NS**
Bicarbonate Alkalinity	240	310	♦	♦	**NS**
Nitrate	ND	ND	♦	♦	**10**
Sulfate	8	12	♦	♦	**250**
Field Parameters					
Temperature (°C)	9.57	8.29	NA	♦	**NS**
pH	6.28	6.9	NA	♦	**NS**
Specific conductivity (mS/m)	1.45	1.11	NA	♦	**NS**
Oxidation-Reduction Potential (mV)	-56	106	NA	♦	**NS**
Dissolved Oxygen (mg/l)	3.02	0.13	NA	♦	**NS**
Turbidity (NTUs)	0	0.0	NA	♦	**NS**

GV - Guidance value.
♦ - Not analyzed.
NS - No standard.
ND - Not detected.
NA - Not applicable.
Bold values exceed the NYSDEC standard or GV.

ATTACHMENT A

SAMPLING LOGS

Well Sampling Log

Well ID No.: PC-1

Well Casing Type:	2" PVC	**Start SWL:**	3.60		**Project:**	Harrison Landfill and Spill
Well Depth*:	17.75	**Water Column Ht.:**	13.15		**Date:**	4/12/2016
Screened Interval:	n/a	**Well Volume (gallons):**	2.3	3.9	**Crew:**	JB/MTP
Well Elevation*:	n/a	**SWL During Sampling:**			**Purge Method:**	Whale Pump
Ground Elevation:	n/a	**Sample Time:**	10:45		**PID Head Space (ppm):**	NM
Well Condition:	Good	**Sample Method:**	Bailer		**Meters Used:**	Horiba U-52
Weather Conditions:	Raining	**Sample Analyses:**	VOC + MTBE, SVOC, Metals (filtered), CN, Cl, and natural attenuation parameters			

Time	Est. Gallons Purged	Purge Rate (Lpm)	Temp. (Co)	pH	ORP (mV)	Cond. (mS/m)	Turbidity (NTU)	D.O. (mg/L)	TDS (g/L)	Salinity (ppt)	Depth to Water*	Comments
10:00	0	3	10.55	6.1	215.0	1.07	0.0	0.74	0.685	0.5	3.60	
10:04	4	3	8.75	8.6	164.0	1.10	0.0	0.36	0.703	0.5	8.25	
10:08	8	3	8.85	6.7	125.0	1.10	0.0	0.45	0.706	0.5	9.15	
10:12	12	3	8.29	6.9	106.0	1.11	0.0	0.13	0.711	0.5	9.60	
												Wait to recharge to sample

Comments: Both spill site and landfill anaylsis. Sampled PC-1 and PC-10 (dup). Dup only for landfill paremeters as per emails.
Well Volume includes sandpack

Notes: NM - No measurement
* - Measurement taken from top of well casing

Well Sampling Log

Well ID No.: MW-11

Well Casing Type: 2" PVC
Well Depth*: 18
Screened Interval: n/a
Well Elevation*: n/a
Ground Elevation: n/a
Well Condition: Good
Weather Conditions: Overcast

Start SWL: 9.25
Water Column Ht.: 8.75
Well Volume (gallons): 1.5
SWL During Sampling:
Sample Time: 14:10
Sample Method: Bailer
Sample Analyses: BTEX + MTBE and natural attenuation parameters

Project: Harrison Spill
Date: 4/12/2016
Crew: JB/MTP
Purge Method: Whale Pump
PID Head Space (ppm): NC
Meters Used: Horiba U-52

Time	Est. Gallons Purged	Purge Rate (Lpm)	Temp. (Co)	pH	ORP (mV)	Cond. (mS/m)	Turbidity (NTU)	D.O. (mg/L)	TDS (g/L)	Salinity (%)	Depth to Water*	Comments
13:36	0	1	8.86	6.79	2	0.948	66.7	2.87	0.598	0.5	9.22	Peat Odor
13:39	1.5	1	9.74	6.65	-7	1.060	40.3	0.50	0.677	0.5	-	
13:42	3.0	1	9.57	6.28	-56	1.450	0.0	3.02	0.928	0.7	dry	dry @ 3.0 gal, wait to recharge.

Comments: Site Only

Notes: NM - No measurement
* - Measurement taken from top of well casing

ATTACHMENT B

LABORATORY ANALYTICAL DATA PACKAGES

Hampton-Clarke Report Of Analysis

Client: HDR **HC Project #:** 6041310

Project: NYSDOT-Harrison

Sample ID: PC-1 U **Collection Date: 4/12/2016**
Lab#: AC90721-001 **Receipt Date: 4/13/2016**
Matrix: Aqueous

Alkalinity-Bicarbonate (SM2320B-97)

Analyte	DF	Units	RL	Result
Alkalinity	1	mgcaco3/l	10	310

Alkalinity-Total (SM2320B-97)

Analyte	DF	Units	RL	Result
Alkalinity	1	mg caco3/l	10	310

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	5	mg/l	10	190

Nitrate-N (Water) 300.0

Analyte	DF	Units	RL	Result
Nitrate	1	mg/l	1.0	ND

p-Alkalinity

Analyte	DF	Units	RL	Result
p-Alkalinity	1	mg caco3/l	10	ND

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.1	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.1	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.1	ND
2,4,5-Trichlorophenol	1	ug/l	2.1	ND
2,4,6-Trichlorophenol	1	ug/l	2.1	ND
2,4-Dichlorophenol	1	ug/l	0.53	ND
2,4-Dimethylphenol	1	ug/l	0.53	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.1	ND
2,6-Dinitrotoluene	1	ug/l	2.1	ND
2-Chloronaphthalene	1	ug/l	2.1	ND
2-Chlorophenol	1	ug/l	2.1	ND
2-Methylnaphthalene	1	ug/l	2.1	ND
2-Methylphenol	1	ug/l	0.53	ND
2-Nitroaniline	1	ug/l	2.1	ND
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.53	ND
3,3'-Dichlorobenzidine	1	ug/l	2.1	ND
3-Nitroaniline	1	ug/l	2.1	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.1	ND
4-Chloro-3-methylphenol	1	ug/l	2.1	ND
4-Chloroaniline	1	ug/l	0.53	ND
4-Chlorophenyl-phenylether	1	ug/l	2.1	ND
4-Nitroaniline	1	ug/l	2.1	ND
4-Nitrophenol	1	ug/l	2.1	ND
Acenaphthene	1	ug/l	2.1	ND
Acenaphthylene	1	ug/l	2.1	ND
Acetophenone	1	ug/l	2.1	ND
Anthracene	1	ug/l	2.1	ND
Atrazine	1	ug/l	2.1	ND
Benzaldehyde	1	ug/l	2.1	ND
Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND

Sample ID: PC-1 U **Collection Date: 4/12/2016**
Lab#: AC90721-001 **Receipt Date: 4/13/2016**
Matrix: Aqueous

Benzo[k]fluoranthene	1	ug/l	2.1	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.1	ND
bis(2-Chloroethyl)ether	1	ug/l	0.53	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.1	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.1	ND
Butylbenzylphthalate	1	ug/l	2.1	ND
Caprolactam	1	ug/l	2.1	ND
Carbazole	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.53	ND
Diethylphthalate	1	ug/l	2.1	ND
Dimethylphthalate	1	ug/l	2.1	ND
Di-n-butylphthalate	1	ug/l	0.53	ND
Di-n-octylphthalate	1	ug/l	2.1	ND
Fluoranthene	1	ug/l	2.1	ND
Fluorene	1	ug/l	2.1	ND
Hexachlorobenzene	1	ug/l	2.1	ND
Hexachlorobutadiene	1	ug/l	2.1	ND
Hexachlorocyclopentadiene	1	ug/l	2.1	ND
Hexachloroethane	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.1	ND
Isophorone	1	ug/l	2.1	ND
Naphthalene	1	ug/l	0.53	ND
Nitrobenzene	1	ug/l	2.1	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.53	ND
N-Nitrosodiphenylamine	1	ug/l	2.1	ND
Pentachlorophenol	1	ug/l	11	ND
Phenanthrene	1	ug/l	2.1	ND
Phenol	1	ug/l	2.1	ND
Pyrene	1	ug/l	2.1	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	43.82	50	30	130	88	
Phenol-d5	19.58	100	15	110	20	
Nitrobenzene-d5	37.81	50	30	130	76	
2-Fluorophenol	31.37	100	15	110	31	
2-Fluorobiphenyl	38.48	50	30	130	77	
2,4,6-Tribromophenol	73.04	100	15	110	73	

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**2.49**	**9.1JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**9.1J**

Sulfate (Water) 300.0

Analyte	DF	Units	RL	Result
Sulfate	**1**	**mg/l**	**2.0**	**12**

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND

Sample ID: PC-1 U **Collection Date: 4/12/2016**
Lab#: AC90721-001 **Receipt Date: 4/13/2016**
Matrix: Aqueous

4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.84	30	70	130	93	
Dibromofluoromethane	30.09	30	70	130	100	
Bromofluorobenzene	28.76	30	70	130	96	
1,2-Dichloroethane-d4	27.73	30	70	130	92	

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: PC-1 F | **Collection Date: 4/12/2016**
Lab#: AC90721-002 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	**1**	**ug/l**	**25**	**68**
Calcium	**1**	**ug/l**	**1000**	**73000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	1	ug/l	150	ND
Magnesium	**1**	**ug/l**	**1000**	**12000**
Manganese	**1**	**ug/l**	**25**	**28**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**2800**
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**72000**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	1	ug/l	1.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: PC-10 U | **Collection Date: 4/12/2016**
Lab#: AC90721-003 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	5	mg/l	10	180

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.1	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.1	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.1	ND
2,4,5-Trichlorophenol	1	ug/l	2.1	ND
2,4,6-Trichlorophenol	1	ug/l	2.1	ND
2,4-Dichlorophenol	1	ug/l	0.53	ND
2,4-Dimethylphenol	1	ug/l	0.53	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.1	ND
2,6-Dinitrotoluene	1	ug/l	2.1	ND
2-Chloronaphthalene	1	ug/l	2.1	ND
2-Chlorophenol	1	ug/l	2.1	ND
2-Methylnaphthalene	1	ug/l	2.1	ND
2-Methylphenol	1	ug/l	0.53	ND
2-Nitroaniline	1	ug/l	2.1	ND
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.53	ND
3,3'-Dichlorobenzidine	1	ug/l	2.1	ND
3-Nitroaniline	1	ug/l	2.1	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.1	ND
4-Chloro-3-methylphenol	1	ug/l	2.1	ND
4-Chloroaniline	1	ug/l	0.53	ND
4-Chlorophenyl-phenylether	1	ug/l	2.1	ND
4-Nitroaniline	1	ug/l	2.1	ND
4-Nitrophenol	1	ug/l	2.1	ND
Acenaphthene	1	ug/l	2.1	ND
Acenaphthylene	1	ug/l	2.1	ND
Acetophenone	1	ug/l	2.1	ND
Anthracene	1	ug/l	2.1	ND
Atrazine	1	ug/l	2.1	ND
Benzaldehyde	1	ug/l	2.1	ND
Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND
Benzo[k]fluoranthene	1	ug/l	2.1	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.1	ND
bis(2-Chloroethyl)ether	1	ug/l	0.53	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.1	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.1	ND
Butylbenzylphthalate	1	ug/l	2.1	ND
Caprolactam	1	ug/l	2.1	ND
Carbazole	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.53	ND
Diethylphthalate	1	ug/l	2.1	ND
Dimethylphthalate	1	ug/l	2.1	ND
Di-n-butylphthalate	1	ug/l	0.53	ND
Di-n-octylphthalate	1	ug/l	2.1	ND
Fluoranthene	1	ug/l	2.1	ND
Fluorene	1	ug/l	2.1	ND
Hexachlorobenzene	1	ug/l	2.1	ND
Hexachlorobutadiene	1	ug/l	2.1	ND
Hexachlorocyclopentadiene	1	ug/l	2.1	ND
Hexachloroethane	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.1	ND
Isophorone	1	ug/l	2.1	ND
Naphthalene	1	ug/l	0.53	ND
Nitrobenzene	1	ug/l	2.1	ND

N-Nitroso-di-n-propylamine	1	ug/l	0.53	ND
N-Nitrosodiphenylamine	1	ug/l	2.1	ND
Pentachlorophenol	1	ug/l	11	ND
Phenanthrene	1	ug/l	2.1	ND
Phenol	1	ug/l	2.1	ND
Pyrene	1	ug/l	2.1	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	47.98	50	30	130	96	
Phenol-d5	21.57	100	15	110	22	
Nitrobenzene-d5	43.90	50	30	130	88	
2-Fluorophenol	35.02	100	15	110	35	
2-Fluorobiphenyl	43.18	50	30	130	86	
2,4,6-Tribromophenol	79.02	100	15	110	79	

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
3-Eicosene, (E)-	**1**	**ug/l**	**14.95**	**44J**
unknown	**1**	**ug/l**	**2.49**	**9.3JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**53J**

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND

Sample ID: PC-10 U **Collection Date: 4/12/2016**
Lab#: AC90721-003 **Receipt Date: 4/13/2016**
Matrix: Aqueous

Toluene	1	ug/l	1.0	ND	
trans-1,2-Dichloroethene	1	ug/l	1.0	ND	
trans-1,3-Dichloropropene	1	ug/l	1.0	ND	
Trichloroethene	1	ug/l	1.0	ND	
Trichlorofluoromethane	1	ug/l	1.0	ND	
Vinyl chloride	1	ug/l	1.0	ND	
Xylenes (Total)	1	ug/l	1.0	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.65	30	70	130	92	
Dibromofluoromethane	30.79	30	70	130	103	
Bromofluorobenzene	30.06	30	70	130	100	
1,2-Dichloroethane-d4	28.57	30	70	130	95	

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: PC-10 F
Lab#: AC90721-004
Matrix: Aqueous

Collection Date: 4/12/2016
Receipt Date: 4/13/2016

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	**1**	**ug/l**	**25**	**72**
Calcium	**1**	**ug/l**	**1000**	**78000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	1	ug/l	150	ND
Magnesium	**1**	**ug/l**	**1000**	**13000**
Manganese	1	ug/l	25	ND
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**3100**
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**76000**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	1	ug/l	1.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: PC-2 U | **Collection Date: 4/12/2016**
Lab#: AC90721-005 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**1**	**mg/l**	**2.0**	**21**

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.2	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.2	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.2	ND
2,4,5-Trichlorophenol	1	ug/l	2.2	ND
2,4,6-Trichlorophenol	1	ug/l	2.2	ND
2,4-Dichlorophenol	1	ug/l	0.56	ND
2,4-Dimethylphenol	1	ug/l	0.56	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.2	ND
2,6-Dinitrotoluene	1	ug/l	2.2	ND
2-Chloronaphthalene	1	ug/l	2.2	ND
2-Chlorophenol	1	ug/l	2.2	ND
2-Methylnaphthalene	1	ug/l	2.2	ND
2-Methylphenol	1	ug/l	0.56	ND
2-Nitroaniline	1	ug/l	2.2	ND
2-Nitrophenol	1	ug/l	2.2	ND
3&4-Methylphenol	1	ug/l	0.56	ND
3,3'-Dichlorobenzidine	1	ug/l	2.2	ND
3-Nitroaniline	1	ug/l	2.2	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.2	ND
4-Chloro-3-methylphenol	1	ug/l	2.2	ND
4-Chloroaniline	1	ug/l	0.56	ND
4-Chlorophenyl-phenylether	1	ug/l	2.2	ND
4-Nitroaniline	1	ug/l	2.2	ND
4-Nitrophenol	1	ug/l	2.2	ND
Acenaphthene	1	ug/l	2.2	ND
Acenaphthylene	1	ug/l	2.2	ND
Acetophenone	1	ug/l	2.2	ND
Anthracene	1	ug/l	2.2	ND
Atrazine	1	ug/l	2.2	ND
Benzaldehyde	1	ug/l	2.2	ND
Benzo[a]anthracene	1	ug/l	2.2	ND
Benzo[a]pyrene	1	ug/l	2.2	ND
Benzo[b]fluoranthene	1	ug/l	2.2	ND
Benzo[g,h,i]perylene	1	ug/l	2.2	ND
Benzo[k]fluoranthene	1	ug/l	2.2	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.2	ND
bis(2-Chloroethyl)ether	1	ug/l	0.56	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.2	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.2	ND
Butylbenzylphthalate	1	ug/l	2.2	ND
Caprolactam	1	ug/l	2.2	ND
Carbazole	1	ug/l	2.2	ND
Chrysene	1	ug/l	2.2	ND
Dibenzo[a,h]anthracene	1	ug/l	2.2	ND
Dibenzofuran	1	ug/l	0.56	ND
Diethylphthalate	1	ug/l	2.2	ND
Dimethylphthalate	1	ug/l	2.2	ND
Di-n-butylphthalate	1	ug/l	0.56	ND
Di-n-octylphthalate	1	ug/l	2.2	ND
Fluoranthene	1	ug/l	2.2	ND
Fluorene	1	ug/l	2.2	ND
Hexachlorobenzene	1	ug/l	2.2	ND
Hexachlorobutadiene	1	ug/l	2.2	ND
Hexachlorocyclopentadiene	1	ug/l	2.2	ND
Hexachloroethane	1	ug/l	2.2	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.2	ND
Isophorone	1	ug/l	2.2	ND
Naphthalene	1	ug/l	0.56	ND
Nitrobenzene	1	ug/l	2.2	ND

N-Nitroso-di-n-propylamine	1	ug/l	0.56	ND	
N-Nitrosodiphenylamine	1	ug/l	2.2	ND	
Pentachlorophenol	1	ug/l	11	ND	
Phenanthrene	1	ug/l	2.2	ND	
Phenol	1	ug/l	2.2	ND	
Pyrene	1	ug/l	2.2	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	47.61	50	30	130	95	
Phenol-d5	20.21	100	15	110	20	
Nitrobenzene-d5	41.74	50	30	130	83	
2-Fluorophenol	33.19	100	15	110	33	
2-Fluorobiphenyl	40.84	50	30	130	82	
2,4,6-Tribromophenol	78.51	100	15	110	79	

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
3-Eicosene, (E)-	**1**	**ug/l**	**14.94**	**55J**
unknown	**1**	**ug/l**	**2.49**	**9.6JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**65J**

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND

Sample ID: PC-2 U **Collection Date: 4/12/2016**
Lab#: AC90721-005 **Receipt Date: 4/13/2016**
Matrix: Aqueous

Toluene	1	ug/l	1.0	ND	
trans-1,2-Dichloroethene	1	ug/l	1.0	ND	
trans-1,3-Dichloropropene	1	ug/l	1.0	ND	
Trichloroethene	1	ug/l	1.0	ND	
Trichlorofluoromethane	1	ug/l	1.0	ND	
Vinyl chloride	1	ug/l	1.0	ND	
Xylenes (Total)	1	ug/l	1.0	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.29	30	70	130	94	
Dibromofluoromethane	29.47	30	70	130	98	
Bromofluorobenzene	29.99	30	70	130	100	
1,2-Dichloroethane-d4	28.66	30	70	130	96	

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: PC-2 F | **Collection Date: 4/12/2016**
Lab#: AC90721-006 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	**1**	**ug/l**	**25**	**68**
Calcium	**1**	**ug/l**	**1000**	**60000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	**1**	**ug/l**	**150**	**35000**
Magnesium	**1**	**ug/l**	**1000**	**15000**
Manganese	**1**	**ug/l**	**25**	**9800**
Nickel	1	ug/l	10	ND
Potassium	1	ug/l	2500	ND
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**26000**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	2	ug/l	1.5	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	**2**	**ug/l**	**2.0**	**2.5**
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: LMW-4 U | **Collection Date: 4/12/2016**
Lab#: AC90721-007 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**1**	**mg/l**	**2.0**	**19**

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.0	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.0	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.50	ND
2,4-Dimethylphenol	1	ug/l	0.50	ND
2,4-Dinitrophenol	1	ug/l	10	ND
2,4-Dinitrotoluene	1	ug/l	2.0	ND
2,6-Dinitrotoluene	1	ug/l	2.0	ND
2-Chloronaphthalene	1	ug/l	2.0	ND
2-Chlorophenol	1	ug/l	2.0	ND
2-Methylnaphthalene	1	ug/l	2.0	ND
2-Methylphenol	1	ug/l	0.50	ND
2-Nitroaniline	1	ug/l	2.0	ND
2-Nitrophenol	1	ug/l	2.0	ND
3&4-Methylphenol	1	ug/l	0.50	ND
3,3'-Dichlorobenzidine	1	ug/l	2.0	ND
3-Nitroaniline	1	ug/l	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	10	ND
4-Bromophenyl-phenylether	1	ug/l	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	2.0	ND
4-Chloroaniline	1	ug/l	0.50	ND
4-Chlorophenyl-phenylether	1	ug/l	2.0	ND
4-Nitroaniline	1	ug/l	2.0	ND
4-Nitrophenol	1	ug/l	2.0	ND
Acenaphthene	1	ug/l	2.0	ND
Acenaphthylene	1	ug/l	2.0	ND
Acetophenone	1	ug/l	2.0	ND
Anthracene	1	ug/l	2.0	ND
Atrazine	1	ug/l	2.0	ND
Benzaldehyde	1	ug/l	2.0	ND
Benzo[a]anthracene	1	ug/l	2.0	ND
Benzo[a]pyrene	1	ug/l	2.0	ND
Benzo[b]fluoranthene	1	ug/l	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	2.0	ND
Benzo[k]fluoranthene	1	ug/l	2.0	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.50	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.0	ND
Butylbenzylphthalate	1	ug/l	2.0	ND
Caprolactam	1	ug/l	2.0	ND
Carbazole	1	ug/l	2.0	ND
Chrysene	1	ug/l	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	2.0	ND
Dibenzofuran	1	ug/l	0.50	ND
Diethylphthalate	1	ug/l	2.0	ND
Dimethylphthalate	1	ug/l	2.0	ND
Di-n-butylphthalate	1	ug/l	0.50	ND
Di-n-octylphthalate	1	ug/l	2.0	ND
Fluoranthene	1	ug/l	2.0	ND
Fluorene	1	ug/l	2.0	ND
Hexachlorobenzene	1	ug/l	2.0	ND
Hexachlorobutadiene	1	ug/l	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	2.0	ND
Hexachloroethane	1	ug/l	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.0	ND
Isophorone	1	ug/l	2.0	ND
Naphthalene	1	ug/l	0.50	ND
Nitrobenzene	1	ug/l	2.0	ND

N-Nitroso-di-n-propylamine	1	ug/l	0.50	ND	
N-Nitrosodiphenylamine	1	ug/l	2.0	ND	
Pentachlorophenol	1	ug/l	10	ND	
Phenanthrene	1	ug/l	2.0	ND	
Phenol	1	ug/l	2.0	ND	
Pyrene	1	ug/l	2.0	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	45.91	50	30	130	92	
Phenol-d5	19.09	100	15	110	19	
Nitrobenzene-d5	40.96	50	30	130	82	
2-Fluorophenol	31.05	100	15	110	31	
2-Fluorobiphenyl	40.75	50	30	130	81	
2,4,6-Tribromophenol	80.60	100	15	110	81	

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**2.49**	**9.0JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**9J**

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	**1**	**ug/l**	**5.0**	**29**
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND

Sample ID: LMW-4 U | **Collection Date: 4/12/2016**
Lab#: AC90721-007 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

trans-1,2-Dichloroethene	1	ug/l	1.0		ND
trans-1,3-Dichloropropene	1	ug/l	1.0		ND
Trichloroethene	1	ug/l	1.0		ND
Trichlorofluoromethane	1	ug/l	1.0		ND
Vinyl chloride	1	ug/l	1.0		ND
Xylenes (Total)	1	ug/l	1.0		ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.57	30	70	130	95	
Dibromofluoromethane	31.08	30	70	130	104	
Bromofluorobenzene	29.65	30	70	130	99	
1,2-Dichloroethane-d4	29.27	30	70	130	98	

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: LMW-4 F | **Collection Date: 4/12/2016**
Lab#: AC90721-008 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	**1**	**ug/l**	**25**	**87**
Calcium	**1**	**ug/l**	**1000**	**32000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	**1**	**ug/l**	**150**	**59000**
Magnesium	**1**	**ug/l**	**1000**	**14000**
Manganese	**1**	**ug/l**	**25**	**9800**
Nickel	1	ug/l	10	ND
Potassium	1	ug/l	2500	ND
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**20000**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	2	ug/l	1.5	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	**2**	**ug/l**	**2.0**	**13**
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: LMW-2 U **Collection Date: 4/12/2016**
Lab#: AC90721-009 **Receipt Date: 4/13/2016**
Matrix: Aqueous

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**1**	**mg/l**	**2.0**	**18**

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.1	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.1	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.1	ND
2,4,5-Trichlorophenol	1	ug/l	2.1	ND
2,4,6-Trichlorophenol	1	ug/l	2.1	ND
2,4-Dichlorophenol	1	ug/l	0.53	ND
2,4-Dimethylphenol	1	ug/l	0.53	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.1	ND
2,6-Dinitrotoluene	1	ug/l	2.1	ND
2-Chloronaphthalene	1	ug/l	2.1	ND
2-Chlorophenol	1	ug/l	2.1	ND
2-Methylnaphthalene	1	ug/l	2.1	ND
2-Methylphenol	1	ug/l	0.53	ND
2-Nitroaniline	1	ug/l	2.1	ND
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.53	ND
3,3'-Dichlorobenzidine	1	ug/l	2.1	ND
3-Nitroaniline	1	ug/l	2.1	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.1	ND
4-Chloro-3-methylphenol	1	ug/l	2.1	ND
4-Chloroaniline	1	ug/l	0.53	ND
4-Chlorophenyl-phenylether	1	ug/l	2.1	ND
4-Nitroaniline	1	ug/l	2.1	ND
4-Nitrophenol	1	ug/l	2.1	ND
Acenaphthene	1	ug/l	2.1	ND
Acenaphthylene	1	ug/l	2.1	ND
Acetophenone	1	ug/l	2.1	ND
Anthracene	1	ug/l	2.1	ND
Atrazine	1	ug/l	2.1	ND
Benzaldehyde	1	ug/l	2.1	ND
Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND
Benzo[k]fluoranthene	1	ug/l	2.1	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.1	ND
bis(2-Chloroethyl)ether	1	ug/l	0.53	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.1	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.1	ND
Butylbenzylphthalate	1	ug/l	2.1	ND
Caprolactam	1	ug/l	2.1	ND
Carbazole	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.53	ND
Diethylphthalate	1	ug/l	2.1	ND
Dimethylphthalate	1	ug/l	2.1	ND
Di-n-butylphthalate	1	ug/l	0.53	ND
Di-n-octylphthalate	1	ug/l	2.1	ND
Fluoranthene	1	ug/l	2.1	ND
Fluorene	1	ug/l	2.1	ND
Hexachlorobenzene	1	ug/l	2.1	ND
Hexachlorobutadiene	1	ug/l	2.1	ND
Hexachlorocyclopentadiene	1	ug/l	2.1	ND
Hexachloroethane	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.1	ND
Isophorone	1	ug/l	2.1	ND
Naphthalene	1	ug/l	0.53	ND
Nitrobenzene	1	ug/l	2.1	ND

N-Nitroso-di-n-propylamine	1	ug/l	0.53	ND	
N-Nitrosodiphenylamine	1	ug/l	2.1	ND	
Pentachlorophenol	1	ug/l	11	ND	
Phenanthrene	1	ug/l	2.1	ND	
Phenol	1	ug/l	2.1	ND	
Pyrene	1	ug/l	2.1	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	45.31	50	30	130	91	
Phenol-d5	15.78	100	15	110	16	
Nitrobenzene-d5	38.34	50	30	130	77	
2-Fluorophenol	28.75	100	15	110	29	
2-Fluorobiphenyl	38.84	50	30	130	78	
2,4,6-Tribromophenol	74.70	100	15	110	75	

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**2.49**	**9.4JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**9.4J**

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND

Sample ID: LMW-2 U | **Collection Date: 4/12/2016**
Lab#: AC90721-009 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

trans-1,2-Dichloroethene	1	ug/l	1.0	ND	
trans-1,3-Dichloropropene	1	ug/l	1.0	ND	
Trichloroethene	1	ug/l	1.0	ND	
Trichlorofluoromethane	1	ug/l	1.0	ND	
Vinyl chloride	1	ug/l	1.0	ND	
Xylenes (Total)	1	ug/l	1.0	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.52	30	70	130	92	
Dibromofluoromethane	30.68	30	70	130	102	
Bromofluorobenzene	28.17	30	70	130	94	
1,2-Dichloroethane-d4	28.51	30	70	130	95	

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: LMW-2 F
Lab#: AC90721-010
Matrix: Aqueous

Collection Date: 4/12/2016
Receipt Date: 4/13/2016

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	**1**	**ug/l**	**25**	**86**
Calcium	**1**	**ug/l**	**1000**	**59000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	1	ug/l	150	ND
Magnesium	**1**	**ug/l**	**1000**	**22000**
Manganese	**1**	**ug/l**	**25**	**160**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**2800**
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**20000**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	**1**	**ug/l**	**1.0**	**1.0**
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: MW-11 U | **Collection Date: 4/12/2016**
Lab#: AC90721-011 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Alkalinity-Bicarbonate (SM2320B-97)

Analyte	DF	Units	RL	Result
Alkalinity	**1**	**mgcaco3/l**	**10**	**240**

Alkalinity-Total (SM2320B-97)

Analyte	DF	Units	RL	Result
Alkalinity	**1**	**mg caco3/l**	**10**	**240**

BTEX & Extra Compounds (624)

Analyte	DF	Units	RL	Result
Benzene	**1**	**ug/l**	**0.50**	**0.82**
Ethylbenzene	**1**	**ug/l**	**1.0**	**93**
m&p-Xylenes	**1**	**ug/l**	**1.0**	**9.9**
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	**1**	**ug/l**	**1.0**	**2.1**
Toluene	1	ug/l	1.0	ND
Xylenes (Total)	**1**	**ug/l**	**1.0**	**12**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.96	30	70	130	97	
Dibromofluoromethane	28.60	30	70	130	95	
Bromofluorobenzene	29.77	30	70	130	99	
1,2-Dichloroethane-d4	25.61	30	70	130	85	

Nitrate-N (Water) 300.0

Analyte	DF	Units	RL	Result
Nitrate	1	mg/l	1.0	ND

p-Alkalinity

Analyte	DF	Units	RL	Result
p-Alkalinity	1	mg caco3/l	10	ND

Sulfate (Water) 300.0

Analyte	DF	Units	RL	Result
Sulfate	**1**	**mg/l**	**2.0**	**8.0**

Sample ID: PC-3 U | **Collection Date: 4/12/2016**
Lab#: AC90721-012 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**10**	**mg/l**	**20**	**200**

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.2	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.2	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.2	ND
2,4,5-Trichlorophenol	1	ug/l	2.2	ND
2,4,6-Trichlorophenol	1	ug/l	2.2	ND
2,4-Dichlorophenol	1	ug/l	0.56	ND
2,4-Dimethylphenol	1	ug/l	0.56	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.2	ND
2,6-Dinitrotoluene	1	ug/l	2.2	ND
2-Chloronaphthalene	1	ug/l	2.2	ND
2-Chlorophenol	1	ug/l	2.2	ND
2-Methylnaphthalene	1	ug/l	2.2	ND
2-Methylphenol	1	ug/l	0.56	ND
2-Nitroaniline	1	ug/l	2.2	ND
2-Nitrophenol	1	ug/l	2.2	ND
3&4-Methylphenol	1	ug/l	0.56	ND
3,3'-Dichlorobenzidine	1	ug/l	2.2	ND
3-Nitroaniline	1	ug/l	2.2	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.2	ND
4-Chloro-3-methylphenol	1	ug/l	2.2	ND
4-Chloroaniline	1	ug/l	0.56	ND
4-Chlorophenyl-phenylether	1	ug/l	2.2	ND
4-Nitroaniline	1	ug/l	2.2	ND
4-Nitrophenol	1	ug/l	2.2	ND
Acenaphthene	1	ug/l	2.2	ND
Acenaphthylene	1	ug/l	2.2	ND
Acetophenone	1	ug/l	2.2	ND
Anthracene	1	ug/l	2.2	ND
Atrazine	1	ug/l	2.2	ND
Benzaldehyde	1	ug/l	2.2	ND
Benzo[a]anthracene	1	ug/l	2.2	ND
Benzo[a]pyrene	1	ug/l	2.2	ND
Benzo[b]fluoranthene	1	ug/l	2.2	ND
Benzo[g,h,i]perylene	1	ug/l	2.2	ND
Benzo[k]fluoranthene	1	ug/l	2.2	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.2	ND
bis(2-Chloroethyl)ether	1	ug/l	0.56	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.2	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.2	ND
Butylbenzylphthalate	1	ug/l	2.2	ND
Caprolactam	1	ug/l	2.2	ND
Carbazole	1	ug/l	2.2	ND
Chrysene	1	ug/l	2.2	ND
Dibenzo[a,h]anthracene	1	ug/l	2.2	ND
Dibenzofuran	1	ug/l	0.56	ND
Diethylphthalate	1	ug/l	2.2	ND
Dimethylphthalate	1	ug/l	2.2	ND
Di-n-butylphthalate	1	ug/l	0.56	ND
Di-n-octylphthalate	1	ug/l	2.2	ND
Fluoranthene	1	ug/l	2.2	ND
Fluorene	1	ug/l	2.2	ND
Hexachlorobenzene	1	ug/l	2.2	ND
Hexachlorobutadiene	1	ug/l	2.2	ND
Hexachlorocyclopentadiene	1	ug/l	2.2	ND
Hexachloroethane	1	ug/l	2.2	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.2	ND
Isophorone	1	ug/l	2.2	ND
Naphthalene	1	ug/l	0.56	ND
Nitrobenzene	1	ug/l	2.2	ND

N-Nitroso-di-n-propylamine	1	ug/l	0.56	ND
N-Nitrosodiphenylamine	1	ug/l	2.2	ND
Pentachlorophenol	1	ug/l	11	ND
Phenanthrene	1	ug/l	2.2	ND
Phenol	1	ug/l	2.2	ND
Pyrene	1	ug/l	2.2	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	41.47	50	30	130	83	
Phenol-d5	21.54	100	15	110	22	
Nitrobenzene-d5	38.00	50	30	130	76	
2-Fluorophenol	34.18	100	15	110	34	
2-Fluorobiphenyl	37.75	50	30	130	75	
2,4,6-Tribromophenol	69.33	100	15	110	69	

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
3-Eicosene, (E)-	**1**	**ug/l**	**14.94**	**14J**
unknown	**1**	**ug/l**	**2.49**	**9.7JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**24J**

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND

Sample ID: PC-3 U **Collection Date: 4/12/2016**
Lab#: AC90721-012 **Receipt Date: 4/13/2016**
Matrix: Aqueous

Toluene	1	ug/l	1.0	ND	
trans-1,2-Dichloroethene	1	ug/l	1.0	ND	
trans-1,3-Dichloropropene	1	ug/l	1.0	ND	
Trichloroethene	1	ug/l	1.0	ND	
Trichlorofluoromethane	1	ug/l	1.0	ND	
Vinyl chloride	1	ug/l	1.0	ND	
Xylenes (Total)	1	ug/l	1.0	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.89	30	70	130	93	
Dibromofluoromethane	30.41	30	70	130	101	
Bromofluorobenzene	29.80	30	70	130	99	
1,2-Dichloroethane-d4	28.09	30	70	130	94	

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: PC-3 F | **Collection Date: 4/12/2016**
Lab#: AC90721-013 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	**1**	**ug/l**	**25**	**97**
Calcium	**1**	**ug/l**	**1000**	**46000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	1	ug/l	150	ND
Magnesium	**1**	**ug/l**	**1000**	**14000**
Manganese	**1**	**ug/l**	**25**	**330**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**5100**
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**78000**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	1	ug/l	1.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: TB-20160412 **Collection Date: 4/12/2016**
Lab#: AC90721-014 **Receipt Date: 4/13/2016**
Matrix: Aqueous

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.61	30	70	130	95	
Dibromofluoromethane	30.58	30	70	130	102	
Bromofluorobenzene	28.85	30	70	130	96	
1,2-Dichloroethane-d4	27.27	30	70	130	91	

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: MW-11 F
Lab#: AC90721-015
Matrix: Aqueous

Collection Date: 4/12/2016
Receipt Date: 4/13/2016

Metals Pair 200.7

Analyte	DF	Units	RL	Result
Iron	1	ug/l	150	2600
Manganese	1	ug/l	25	3300

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 6041310

Page 1 of 1

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS *(specify below)*:
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other: Standard	Electronic (PDF)	Other:

AS PER CONTRACT

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: HDR
Address: Melissa LaMacchia
1 International Blvd, Mahwah NJ 07495
1b) Email/Cell/Fax/Ph: ↑
1c) Send Invoice to: melissa.lamacchia@hdrinc.com
1d) Send Report to: ↓

Project Information

2a) Project: NYSDOT Harrison
2b) Project Mgr: Melissa LaMacchia
2c) Project Location (City/State): Harrison, NY
2d) Quote/PO # (If Applicable): 270722

FOR LAB USE ONLY ↓
Batch # AC90721

===> *Check If Contingent* ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis *(specify methods & parameter lists)*

<=== *Check If Contingent* <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	VO-8TEX, MTBE	Metals - Dissolved (Lab filtered) Fe+Mn	Alkalinity	Alkalinity Bicarb	NO3, Sulfate	VO10	BNA 20	TAL Metals (Lab filtered)	CN (Lab filtered)	Chloride	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001/002	PC-1	WG	1045	4-12-16		G	3	1	3	3	1	3	2	1	1	1	19				3				All Metals + CN lab filtered.
003/004	PC-10	WG	1045	4-12-16		G	-	-	-	-	-	3	2	1	1	1	8				3				
005/006	PC-2	WG	1220	4-12-16		G	-	-	-	-	-	3	2	1	1	1	8				3				
007/008	LMW-4	WG	1230	4-12-16		G	-	-	-	-	-	3	2	1	1	1	8				3				PC-2 2 VOA vials
009/010	LMW-2	WG	1400	4/12/16		G	-	-	-	-	-	3	2	1	1	1	8				3				
011/015	MW-11	WG	1410	4/12/16		G	3	1	3	3	1	-	-	-	-	-	8				3				
012/013	PC-3	WG	1500	4/12/16		G	-	-	-	-	-	3	2	1	1	1	8				3				
014	TB-20160412	WQ	—	4/12/16		G	-	-	-	-	-	3	-	-	-	-	-				3				

10) Relinquished by:	Accepted by:	Date	Time
Jennifer Beeler		4/12/16	1600
		4/13/16	930
		4/13/16	230

Additional Notes

* 3 coolers *

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

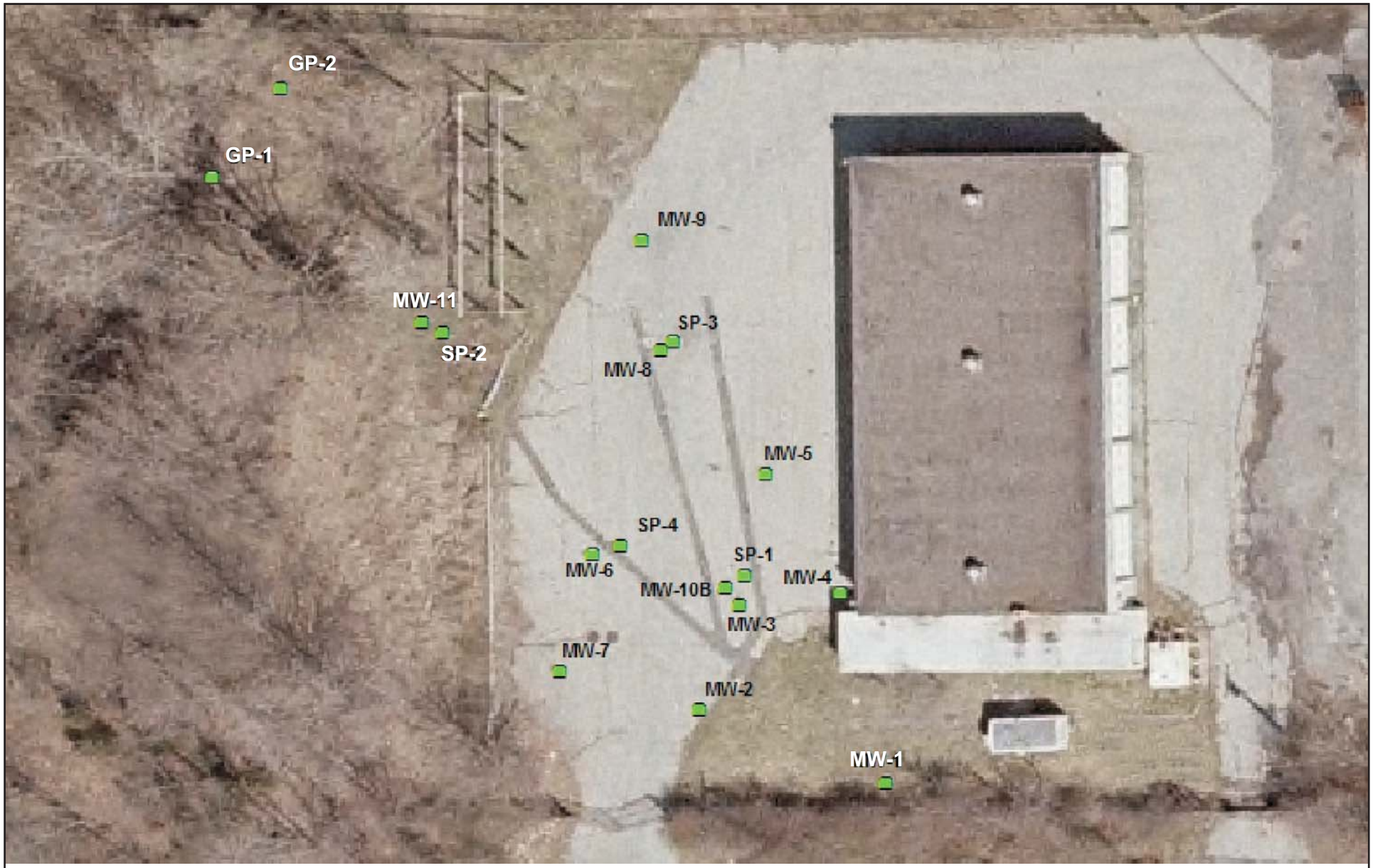
Cooler Temperature: 3.0, 2.9, 3.2°

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

ATTACHMENT C

HISTORIC DATA SUMMARY



0 APPROX. SCALE (ft) 60 ft

Source: NYSDOT

\M\Graphics\\\HarrisonGarageAttachA_PetrolSpillAreaInspectFeats.des

Petroleum Spill Area Historic Well Locations

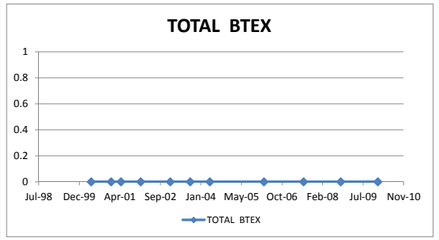
NYSDOT • Harrison, NY

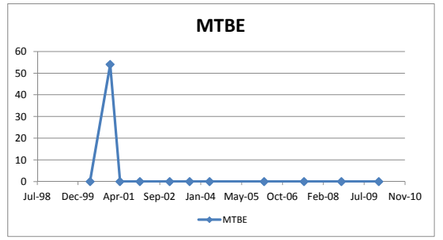
Attachment C

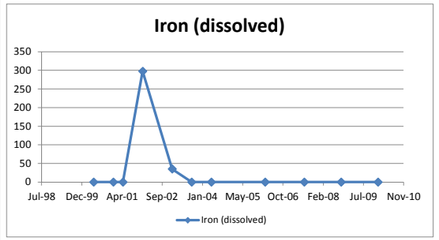
ATTACHMENT C
MONITORING WELL HISTORICAL DATA SUMMARY
May 2000 to April 2016

Harrison Subresidency Spill Site

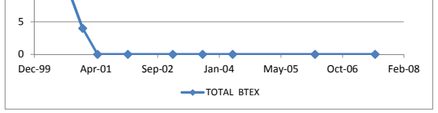
WELL ID: MW 1	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	
Volatile Organics (ug/L)																	
MTBE	ND	54	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	**50**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	-
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	-
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	-
m,p-Xylene	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	-
O-Xylene	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	-
Xylenes (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	-
TOTAL BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	7,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**27,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	ND	♦	207	**3,760**	264	♦	♦	**5810**	**4840**	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	ND	♦	ND	298	35	85.1 B	56.5 B	58 B	96.1 B	ND	ND	♦	♦	♦	♦	♦	**300**
Lead	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	4,100	♦	**11,000**	3,000	7,700	6,200	6,800	6,200	6,900	2,500	2,700	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	15,000	♦	13,000	17,000	15,000	17,000	14,000	17,000	13,000	17,000	21,000	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	4,000	♦	9,000	8,000	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	97,400	♦	59,000	42,000	30,000	16,000	45,000 H	56,000	73,000	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	3.6	1.97	6.42	8.3	2.5	3.89	4.2	5.9	7.36	5.10	3.45	♦	♦	♦	♦	♦	**N/A**

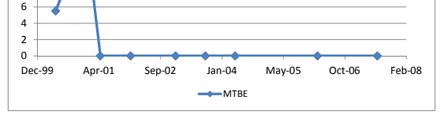


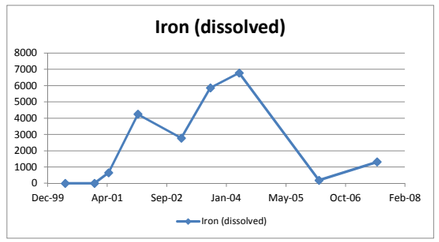




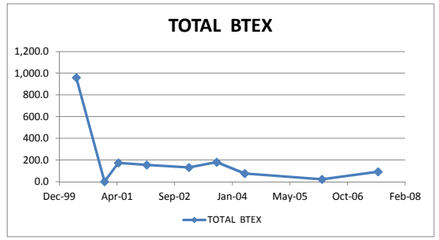
WELL ID: MW 2	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	
Volatile Organics (ug/L)																	
MTBE	5.5	15	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**50**
Benzene	2.1	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Toluene	8.0	2	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Ethylbenzene	2.7	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
m,p-Xylene	ND	-	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
O-Xylene	3.8	-	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Xylenes (total)	3.8	2	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
TOTAL BTEX	16.6	4	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	10,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**22,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**6,330**	**75,600**	**10,400**	♦	♦	**3780**	**12,800**	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	**646**	**4,240**	**2,770**	**5,860**	**6,780**	187	**1,310**	♦	♦	♦	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	♦	♦	ND	ND *	81	58	70	230	87	♦	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	14,000	150,000	25,000	15,000	15,000	26,000	9,700	♦	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	17,000	18,000	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	49,000	40,000	23,000	33,000	43,000 H	46,000	51,000	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	2.6	3.08	4.23	3.6	1.5	1.07	1.3	1.7	3.03	♦	♦	♦	♦	♦	♦	♦	**N/A**

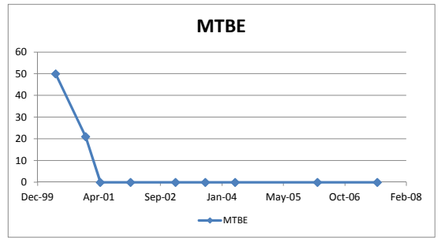


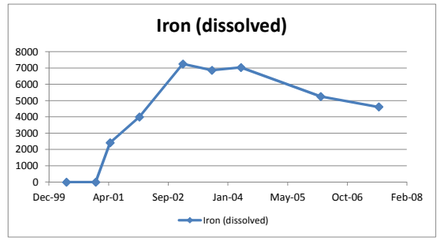




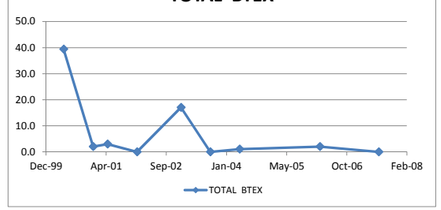
WELL ID: MW 3	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	
Volatile Organics (ug/L)																	
MTBE	**50**	21	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**50**
Benzene	64	ND	2	3	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Toluene	21	ND	2	3	ND	ND	ND	ND	1J	♦	♦	♦	♦	♦	♦	♦	-
Ethylbenzene	350	ND	ND	40	82	120	61	ND	82	♦	♦	♦	♦	♦	♦	♦	-
m,p-Xylene	460	-	-	-	44	56	15	20	10	♦	♦	♦	♦	♦	♦	♦	-
O-Xylene	65	-	-	-	6	5	1 J	2J	ND	♦	♦	♦	♦	♦	♦	♦	-
Xylenes (total)	525	2	170	110	50	61	16	22	10	♦	♦	♦	♦	♦	♦	♦	-
TOTAL BTEX	**960.0**	2	**174**	**156**	**132**	**181**	77	22	93	♦	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene	♦		ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene	**160**		4 J	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	24,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**43,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	**18,000**	♦	**8,880**	**35,100**	**14,400**	♦	♦	**20,800**	**17,200**	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	ND	♦	**2,410**	**4,000**	**7,250**	**6,870**	**7,030**	**5,260**	**4,610**	♦	♦	♦	♦	♦	♦	♦	**300**
Lead	8	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	ND	♦	ND	ND *	ND	ND	ND	32	ND	♦	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	ND	♦	18,000	24,000	27,000	6,500	7,300	14,000	ND	♦	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	10,000	♦	27,000	70,000	6,300	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	9,200	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	105,000	♦	48,000	70,000	45,000	84,000	51,000 H	61,000	65,000	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	2.1	2.93	1.89	3.0	1.1	1.36	1.04	1.26	1.33	♦	♦	♦	♦	♦	♦	♦	**N/A**

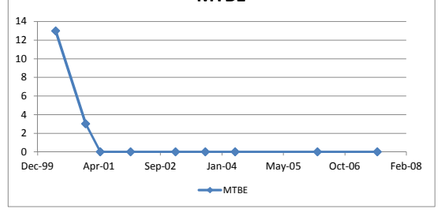


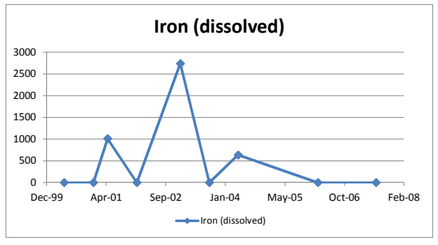




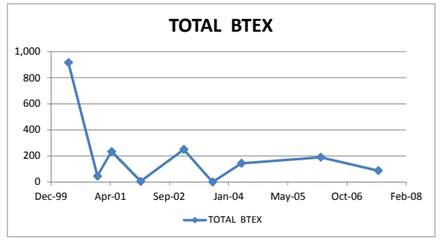
WELL ID: MW 4	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	
Volatile Organics (ug/L)																	
MTBE	13	3	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**50**
Benzene	4.4	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Ethylbenzene	22	2	2	ND	16	ND	1 J	2J	ND	♦	♦	♦	♦	♦	♦	♦	-
m,p-Xylene	♦	-	-	-	1	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
O-Xylene	♦	-	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Xylenes (total)	13	ND	1	ND	1	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
TOTAL BTEX	39.4	2	3	ND	17	ND	1	2	ND	♦	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	8,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**22,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**1,360**	**1,330**	**3,480**	♦	♦	**307**	**14,600**	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	**1,010**	ND	**2,740**	61.0 B	**635**	55.1 B	199B	♦	♦	♦	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	♦	♦	ND	3,200	ND	2400	530	450	960	♦	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	15,000	22,000	21,000	18,000	13,000	13,000	13,000	♦	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	14,000	13,000	44,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	55,000	40,000	55,000	21,000	65,000 H	98,000	91,000	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	3.5	2.35	4.29	3.9	0.82	1.42	2	1.6	2.97	♦	♦	♦	♦	♦	♦	♦	**N/A**

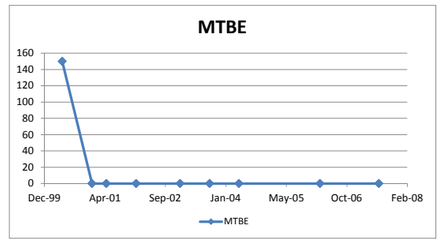


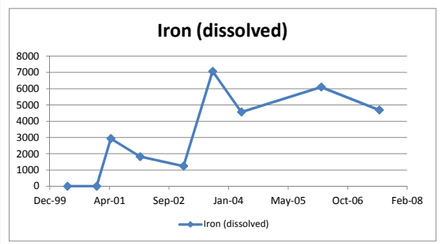




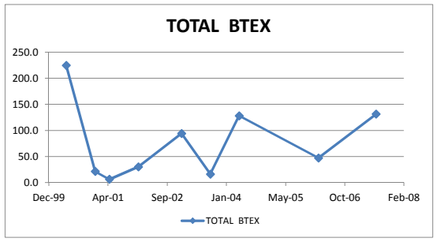
WELL ID: MW 5	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	
Volatile Organics (ug/L)																	
MTBE	**150**	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**50**
Benzene	14	ND	1	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Toluene	32	2	2	ND	2	ND	ND	1J	ND	♦	♦	♦	♦	♦	♦	♦	-
Ethylbenzene	410	ND	ND	ND	150	ND	99	140	75	♦	♦	♦	♦	♦	♦	♦	-
m,p-Xylene	♦	-	-	-	93	ND	42	46	12	♦	♦	♦	♦	♦	♦	♦	-
O-Xylene	♦	-	-	-	5	ND	2 J	3J	ND	♦	♦	♦	♦	♦	♦	♦	-
Xylenes (total)	460	43	230	4	98	ND	44	49	12	♦	♦	♦	♦	♦	♦	♦	-
TOTAL BTEX	**916**	45	**233**	4	**250**	ND	**143**	**190**	87	♦	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene			10	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	60,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**32,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**9,630**	**3,910**	**4,500**	♦	♦	**9770**	**9,830**	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	**2,930**	**1,820**	**1,240**	**7,070**	**4,560**	**6,100**	**4,690**	♦	♦	♦	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	♦	♦	ND	620	210	ND	ND	220	29	♦	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	17,000	12,000	16,000	42,000	8,500	ND	ND	♦	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	23,000	14,000	12,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	68,000	12,000	28,000	100,000	73,000 H	74,000	ND	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	3.4	3.09	6.12	9.0	1.6	1.19	1.73	1.23	1.52	♦	♦	♦	♦	♦	♦	♦	**N/A**

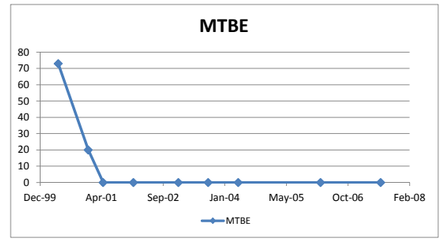


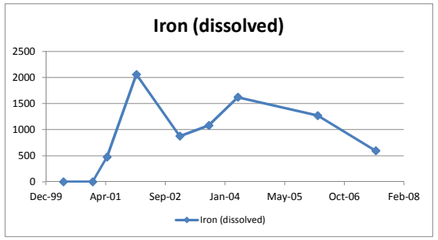




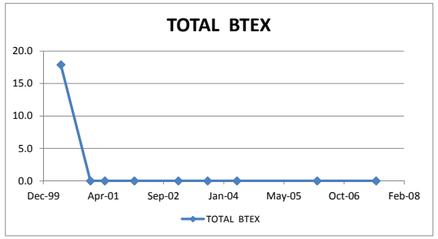
WELL ID: MW 6	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	
Volatile Organics (ug/L)																	
MTBE	**73**	20	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**50**
Benzene	7.9	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Toluene	7	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Ethylbenzene	98	ND	ND	3	61	ND	88	16	100	♦	♦	♦	♦	♦	♦	♦	-
m,p-Xylene	♦	-	-	-	30	14	37	27	28	♦	♦	♦	♦	♦	♦	♦	-
O-Xylene	♦	-	-	-	2	1	3 J	4J	3J	♦	♦	♦	♦	♦	♦	♦	-
Xylenes (total)	112	21	6	27	33	16	40	31	31	♦	♦	♦	♦	♦	♦	♦	-
TOTAL BTEX	**224.9**	21	6	30	94	16	**128**	47	**131**	♦	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	40,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**33,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**1,720**	**2,410**	**2,750**	♦	♦	**4610**	**5,630**	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	**475**	**2,060**	**874**	**1,080**	**1,620**	**1,270**	**593**	♦	♦	♦	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	♦	♦	ND	ND *	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	17,000	19,000	22,000	10,000	7,400	7,200	ND	♦	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	17,000	25,000	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	60,000	32,000	27,000	33,000	48,000	45,000	49,000	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	3.1	6.05	4.1	3.5	0.89	1.41	2.9	3.3	1.57	♦	♦	♦	♦	♦	♦	♦	**N/A**

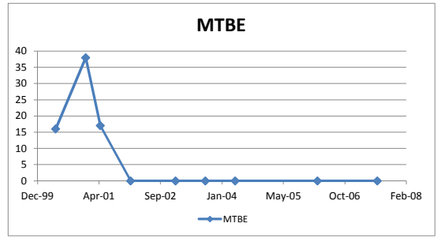


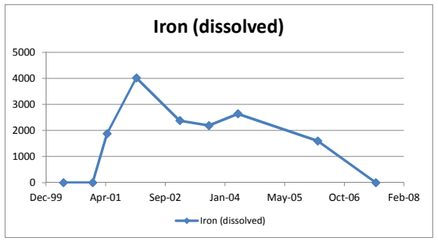




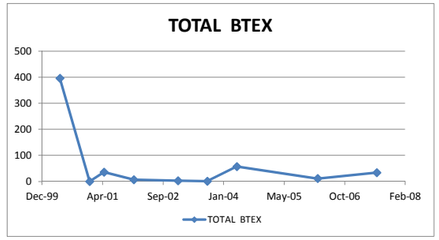
WELL ID: MW 7	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	
Volatile Organics (ug/L)																	
MTBE	16	38	17	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**50**
Benzene	3.4	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Toluene	4	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Ethylbenzene	5.7	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
m,p-Xylene	♦	-	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
O-Xylene	♦	-	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Xylenes (total)	4.8	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
TOTAL BTEX	17.9	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	40,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**35,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**2,700**	**30,000**	**3,080**	♦	♦	**3960**	**18,000**	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	**1,880**	**4,020**	**2,380**	**2,190**	**2,640**	**1,600**	165B	♦	♦	♦	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	♦	♦	ND	ND*	150	ND	160	330	ND	♦	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	15,000	38,000	20,000	8,200	13,000	11,000	7,400	♦	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	16,000	21,000	11,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	78,000	35,000	37,000	27,000	42,000	63,000	41,000	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	3.2	3.12	4.43	3.4	1.0	2.2	1.8	2.0	2.66	♦	♦	♦	♦	♦	♦	♦	**N/A**

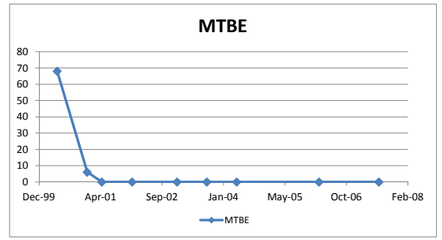


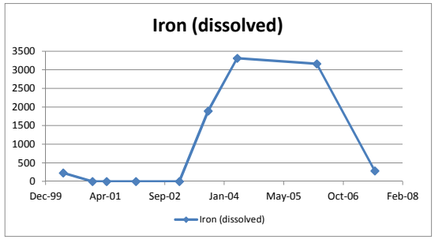




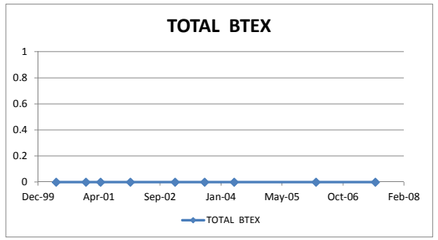
WELL ID: MW 8	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	
Volatile Organics (ug/L)																	
MTBE	**68**	6	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**50**
Benzene	110	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Toluene	26	ND	2	ND	ND	ND	2 J	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Ethylbenzene	60	ND	ND	ND	2	1	41	2J	27	♦	♦	♦	♦	♦	♦	♦	-
m,p-Xylene	160	-	-	-	1	ND	12	7	5	♦	♦	♦	♦	♦	♦	♦	-
O-Xylene	40	-	-	-	ND	ND	2 J	2J	2J	♦	♦	♦	♦	♦	♦	♦	-
Xylenes (total)	200	ND	34	7	1	ND	14	9	7	♦	♦	♦	♦	♦	♦	♦	-
TOTAL BTEX	**396**	ND	36	7	3	1	57	11	34	♦	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene	♦		ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene	**34**		ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	5,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**63,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	**8,600**	♦	**545**	**4,370**	**3,320**	♦	♦	**7160**	**4,070**	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	230	♦	ND	48.7 B	ND	**1,890**	**3,310**	**3,160**	282	♦	♦	♦	♦	♦	♦	♦	**300**
Lead	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	33	♦	ND	ND *	190	ND	ND	120	28	♦	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	ND	♦	31,000	ND	ND	ND	3,800	ND	ND	♦	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	12,000	♦	21,000	25,000	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	7,600	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	264,000	♦	37,000	22,000	19,000	30,000	56,000	55,000	42,000	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	1.5	6.3	4.6	4.5	0.89	0.88	2.18	3.13	1.96	♦	♦	♦	♦	♦	♦	♦	**N/A**

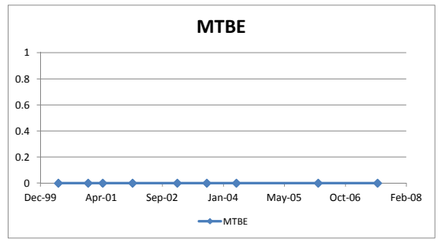


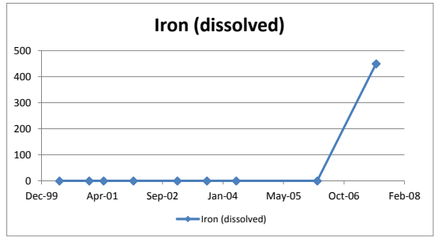




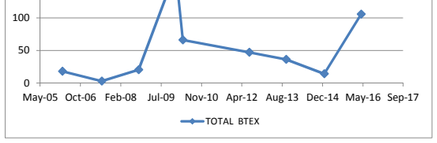
WELL ID: MW 9	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	
Volatile Organics (ug/L)																	
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**50**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
m,p-Xylene	♦	-	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
O-Xylene	♦	-	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Xylenes (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
TOTAL BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene			2 J	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	**260,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**160,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**4,570**	**7,870**	**12,600**	♦	♦	232	**16,000**	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	ND	ND	ND	32.2 B	ND	44.9 B	**450**	♦	♦	♦	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	♦	♦	ND	690	340	730	870	770	1,100	♦	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	21,000	23,000	19,000	12,000	12,000	17,000	19,000	♦	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	18,000	15,000	9,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	ND	ND *	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	3.3	7.5	5.49	12.3	6.30	3.65	7.60	8.20	6.65	♦	♦	♦	♦	♦	♦	♦	**N/A**

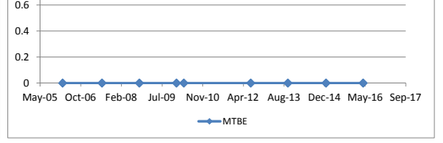


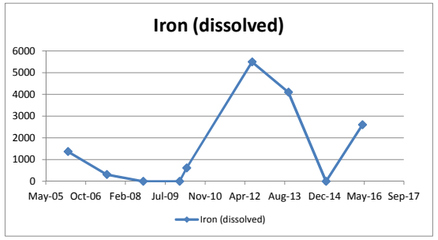


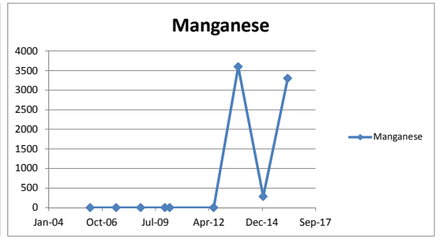


WELL ID: MW 11	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)																	
MTBE								ND	ND	ND	ND	ND	ND	♦	ND	ND	**50**
Benzene								ND	ND	0.88	0.88	ND	1.9	2.7	ND	0.82	-
Toluene								1 J	ND	1	2.9	ND	ND	1.2	ND	ND	-
Ethylbenzene								10	3J	13	130	53	32	24	13	93	-
m,p-Xylene								7	ND	3.8	35	12	11	6.2	1.4	9.9	-
O-Xylene								ND	ND	1.6	3.1	1.2	2.3	2.4	ND	2.1	-
Xylenes (total)								7	ND	5.4	38.1	13.2	13.3	8.6	1.4	12	-
TOTAL BTEX								18	3	20.28	**171.88**	66.2	47.2	36.5	14.4	105.82	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene								♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene								♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride								♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium								♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)								**174,000**	**23,400**	♦	♦	♦	♦	4100	♦	♦	**300**
Iron (dissolved)								**1370**	**307**	ND	ND	**610**	**5500**	**4100**	ND	**2600**	**300**
Manganese								♦	♦	♦	♦	♦	♦	3600	280	3300	
Lead								♦	♦	♦	♦	♦	♦				**25**
Other																	
Nitrogen, Nitrate (ug/L)								0.98	240	ND	ND	ND	ND	ND	ND	ND	**10,000**
Sulfate (ug/L)								57,000	15,000	19	9	14,000	3,300	3,500	20,000	8,000	**250,000**
TOC (ug/L)								♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)								♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)								230,000	140,000	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)								3.70	5.45	3.30	3.01	16.25	5.03	8.30	8.70	3.02	**N/A**

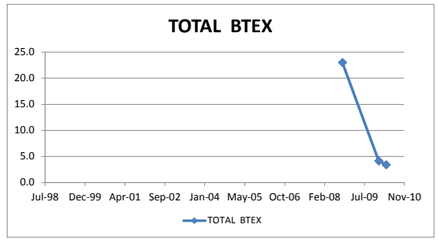


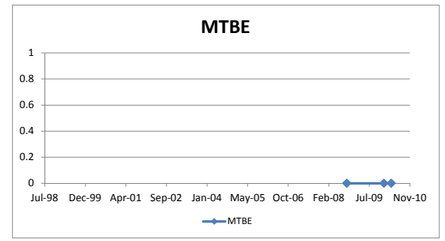


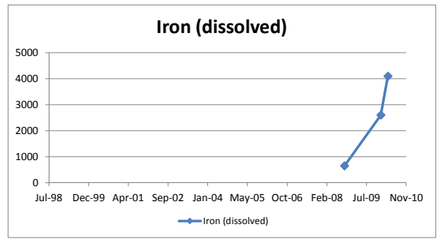




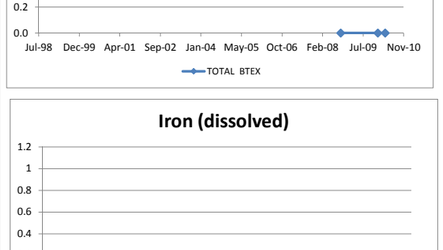
WELL ID: MW 12	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)																	
MTBE										ND	ND	ND	♦	♦	♦	♦	**50**
Benzene										ND	ND	ND	♦	♦	♦	♦	**-**
Toluene										ND	ND	ND	♦	♦	♦	♦	**-**
Ethylbenzene										23	4.1	3.4	♦	♦	♦	♦	**-**
m,p-Xylene										ND	ND	ND	♦	♦	♦	♦	**-**
O-Xylene										ND	ND	ND	♦	♦	♦	♦	**-**
Xylenes (total)										ND	ND	ND	♦	♦	♦	♦	**-**
TOTAL BTEX										23	4.1	3.4	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene										♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene										♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride										♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium										♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)										♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)										**650**	**2600**	**4100**	♦	♦	♦	♦	**300**
Lead										♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)										ND	0.35	ND	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)										5.6	19.0	13,000	♦	♦	♦	♦	**250,000**
TOC (ug/L)										♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)										♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)										♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)										1.10	2.61	4.51		♦	♦	♦	**N/A**

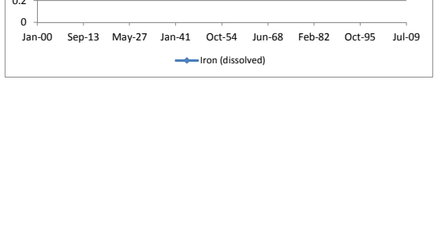




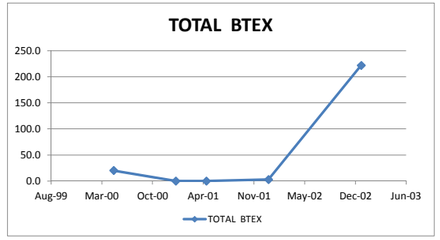


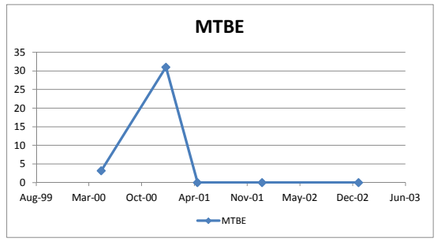
WELL ID: MW 13	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	(Oct 2008) Oct-08	(Jan 2010) Jan-10	(Apr 2011) Apr-10	(July 2012) Jul-12	(Oct 2013) Oct-13	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)																	
MTBE										ND	ND	ND	♦	♦	♦	♦	**50**
Benzene										ND	ND	ND	♦	♦	♦	♦	**-**
Toluene										ND	ND	ND	♦	♦	♦	♦	**-**
Ethylbenzene										ND	ND	ND	♦	♦	♦	♦	**-**
m,p-Xylene										ND	ND	ND	♦	♦	♦	♦	**-**
O-Xylene										ND	ND	ND	♦	♦	♦	♦	**-**
Xylenes (total)										ND	ND	ND	♦	♦	♦	♦	**-**
TOTAL BTEX										ND	ND	ND	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene										♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene										♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride										♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium										♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)										♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)										♦	♦	♦	♦	♦	♦	♦	**300**
Lead										♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)										0.46	1.5	1300	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)										13	23	25,000	♦	♦	♦	♦	**250,000**
TOC (ug/L)										♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)										♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)										♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)										1.80	5.87	5.87	♦	♦	♦	♦	**N/A**

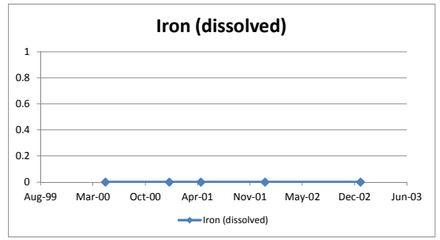




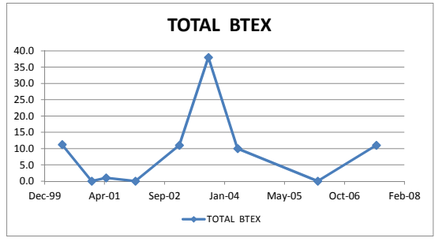
WELL ID: SP 1	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13			
Volatile Organics (ug/L)																	
MTBE	3.2	31	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Benzene	1.4	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	-
Toluene	3.7	ND	ND	ND	60	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	-
Ethylbenzene	4.0	ND	ND	2	22	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	-
m,p-Xylene	8.1	-	-	-	100	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	-
O-Xylene	2.9	-	-	-	42	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	-
Xylenes (total)	11.0	ND	ND	1	140	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	-
TOTAL BTEX	20.1	ND	ND	3	**222**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	16,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**45,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**3,940**	**3,720**	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	52.1 B	68.0 B	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	♦	♦	ND*	160	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	48,000	46,000	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	25,000	17,000	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	18,000	19,000	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	4.6	9.66	4.6	2.3	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**

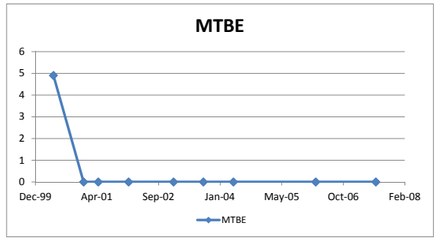


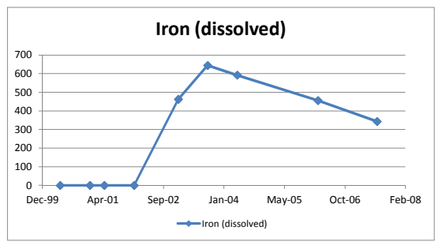




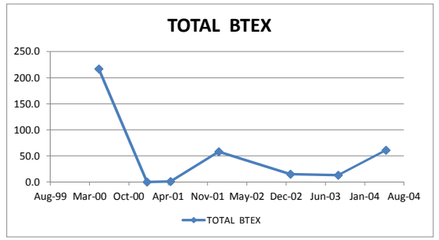
WELL ID: MW 10 B	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13			
Volatile Organics (ug/L)																	
MTBE	4.9	♦	ND	NA	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**50**
Benzene	2.1	♦	ND	NA	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Toluene	ND	♦	ND	NA	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Ethylbenzene	ND	♦	1	NA	9	23	8	ND	9	♦	♦	♦	♦	♦	♦	♦	-
m,p-Xylene	3.5	♦	-	NA	2	15	2 J	ND	2J	♦	♦	♦	♦	♦	♦	♦	-
O-Xylene	5.6	♦	-	NA	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Xylenes (total)	9.1	♦	ND	NA	2	15	2 J	ND	2	♦	♦	♦	♦	♦	♦	♦	-
TOTAL BTEX	11.2	♦	1	NA	11	38	10	ND	11	♦	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene			ND	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	34,000	♦	♦	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**27,000**	♦	♦	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**1,080**	NA	**1,190**	♦	♦	**1460**	**1,880**	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	32.8 B	NA	**462**	**644**	**592**	**456**	**343**	♦	♦	♦	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	♦	♦	ND*	NA	ND	ND	120	ND	120	♦	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	27,000	NA	19,000	9,000	12,000	12,000	8,100	♦	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	14,000	NA	9,400	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	39,000	NA	39,000	25,000	32,000	25,000	14,000	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	4.7		4.91	NA	2.0	2.9	2.4	1.1	5.35	♦	♦	♦	♦	♦	♦	♦	**N/A**

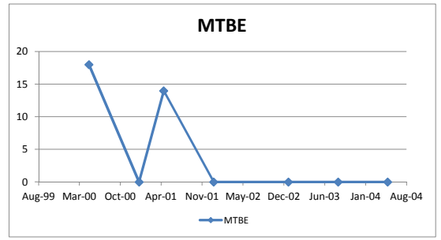


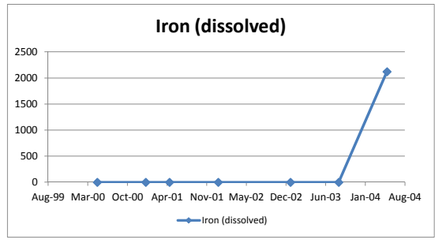




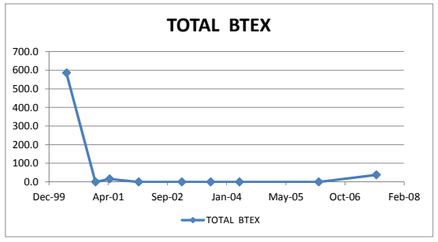
WELL ID: SP 2	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13			
Volatile Organics (ug/L)																	
MTBE	18	♦	14	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Benzene	19	♦	ND	7	7	5	2 J	♦	♦	♦	♦	♦	♦	♦	♦	♦	**-**
Toluene	25	♦	ND	6	2	2	4 J	♦	♦	♦	♦	♦	♦	♦	♦	♦	**-**
Ethylbenzene	110	♦	1	42	ND	5	42	♦	♦	♦	♦	♦	♦	♦	♦	♦	**-**
m,p-Xylene	52	♦	-	-	4	1	13	♦	♦	♦	♦	♦	♦	♦	♦	♦	**-**
O-Xylene	11	♦	-	-	2	ND	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	**-**
Xylenes (total)	63	♦	ND	3	6	1	13	♦	♦	♦	♦	♦	♦	♦	♦	♦	**-**
TOTAL BTEX	**217.0**	♦	**1**	58	15	13	61	♦	♦	♦	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	36,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**75,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**9,750**	**7,590**	**2,700**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	ND	126 B	ND	166 B	**2,120**	♦	♦	♦	♦	♦	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	♦	♦	ND*	100	ND	37	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	26,000	64,000	18,000	7,900	7,200	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	17,000	29,000	14,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	36,000	42,000	38,000	37,000	58,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	2.5	♦	3.1	4.0	1.0	1.47	1.7	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**

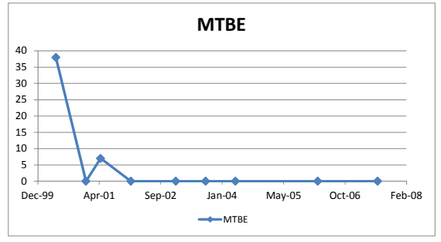


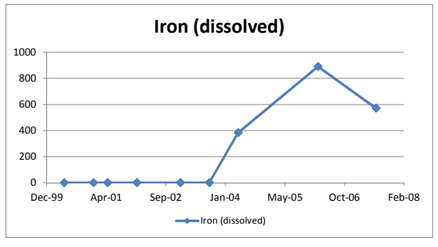




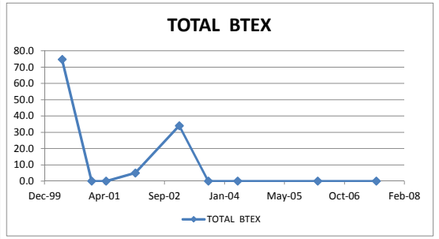
WELL ID: SP 3	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13			
Volatile Organics (ug/L)																	
MTBE	38	♦	7	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**50**
Benzene	110	♦	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**-**
Toluene	39	♦	1	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**-**
Ethylbenzene	200	♦	ND	ND	ND	ND	ND	ND	31	♦	♦	♦	♦	♦	♦	♦	**-**
m,p-Xylene	180	♦	-	-	ND	ND	ND	ND	4J	♦	♦	♦	♦	♦	♦	♦	**-**
O-Xylene	57	♦	-	-	ND	ND	ND	ND	3J	♦	♦	♦	♦	♦	♦	♦	**-**
Xylenes (total)	237	♦	15	ND	ND	ND	ND	ND	7	♦	♦	♦	♦	♦	♦	♦	**-**
TOTAL BTEX	**586.0**	♦	16	ND	ND	ND	ND	ND	38	♦	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	6,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**38,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**2,970**	**1,060**	133 B	♦	♦	**3380**	**3,170**	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	ND	ND	ND	116 B	**384**	**891**	**572**	♦	♦	♦	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	♦	♦	ND*	100	ND	25	66	ND	ND	♦	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	56,000	16,000	19,000	5,900	22,000	ND	ND	♦	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	11,000	18,000	41,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	11,000	11,000	20,000	19,000	26,000	57,000	32,000	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	3.4	♦	4.21	5.7	1.1	1.7	2.2	1.05	3.27	♦	♦	♦	♦	♦	♦	♦	**N/A**

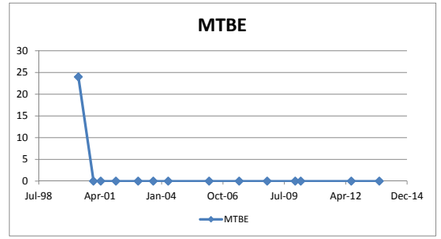


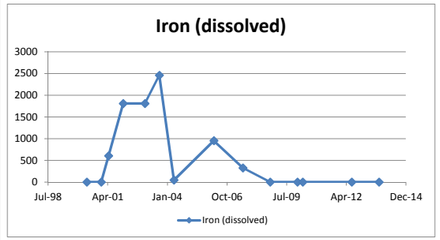




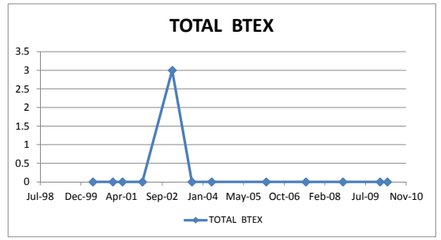
WELL ID: SP 4	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13			
Volatile Organics (ug/L)																	
MTBE	24	♦	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**50**
Benzene	24	♦	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Toluene	3.8	♦	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Ethylbenzene	35	♦	ND	3	26	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
m,p-Xylene	9.5	♦	-	-	8	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
O-Xylene	2.4	♦	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
Xylenes (total)	11.9	♦	ND	2	8	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	-
TOTAL BTEX	**74.7**	♦	ND	5	34	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene		♦	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene		♦	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	16,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**24,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**3,790**	**5,350**	**2,490**	♦	♦	**10,400**	**25,400**	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	**602**	**1,810**	**1,810**	**2,460**	44.5	**953**	**326**	♦	♦	♦	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	♦	♦	ND*	ND*	ND	ND	150	200	ND	♦	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	34,000	22,000	37,000	26,000	8,400	24,000	13,000	♦	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	14,000	24,000	11,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	39,000	24,000	31,000	26,000	23,000	39,000	ND	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	4.2	♦	6.89	4.2	2.4	6.2	3.4	3.8	5.6	♦	♦	♦	♦	♦	♦	♦	**N/A**

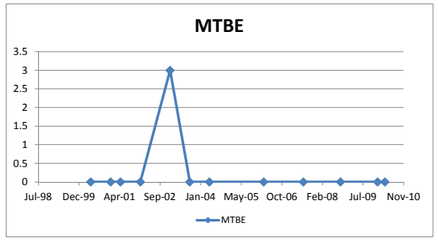


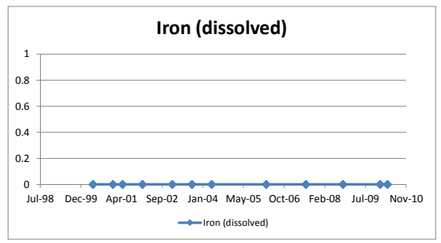




WELL ID: GP 2	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13			
Volatile Organics (ug/L)																	
MTBE	♦	♦	♦	♦	3	ND	ND	♦	♦	♦	♦	ND	♦	♦	♦	♦	**50**
Benzene	♦	♦	♦	♦	ND	ND	ND	♦	♦	♦	♦	ND	♦	♦	♦	♦	-
Toluene	♦	♦	♦	♦	ND	ND	ND	♦	♦	♦	♦	ND	♦	♦	♦	♦	-
Ethylbenzene	♦	♦	♦	♦	ND	ND	ND	♦	♦	♦	♦	ND	♦	♦	♦	♦	-
m,p-Xylene	♦	♦	♦	♦	ND	ND	ND	♦	♦	♦	♦	ND	♦	♦	♦	♦	-
O-Xylene	♦	♦	♦	♦	ND	ND	ND	♦	♦	♦	♦	ND	♦	♦	♦	♦	-
Xylenes (total)	♦	♦	♦	♦	ND	ND	ND	♦	♦	♦	♦	ND	♦	♦	♦	♦	-
TOTAL BTEX	♦	♦	♦	♦	3	ND	ND	♦	♦	♦	♦	ND	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	ND	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	ND	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	21,000	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	16.79	♦	♦	♦	♦	**N/A**







WELL ID: PC-1	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	(Oct 2005)/ (Mar 2006) Mar-06	(July 2007) 1-Jul	(Oct 2008) Oct-08	(Jan 2010) Jan-10	(Apr 2011) Apr-10	(July 2012) Jul-12	(Oct 2013) Oct-13	Jan-15	Apr-16	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)																	
MTBE	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	ND	ND	ND	**50**
Benzene	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	ND	ND	ND	**-**
Toluene	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	ND	ND	ND	**-**
Ethylbenzene	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	ND	ND	ND	**-**
m,p-Xylene	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	ND	ND	ND	**-**
O-Xylene	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	ND	ND	ND	**-**
Xylenes (total)	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	ND	ND	ND	**-**
TOTAL BTEX	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	ND	ND	ND	**100**
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)																	
Chloride	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	♦	♦	♦	♦	♦	**599**	**952**	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	♦	♦	♦	♦	♦	28.6	**425**	ND	ND	ND	ND	ND	ND	ND	**300**
Manganese	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	740	67	28	
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other																	
Nitrogen, Nitrate (ug/L)	♦	♦	♦	♦	♦	♦	♦	50	ND*	ND	ND	ND	ND	ND	ND	ND	**10,000**
Sulfate (ug/L)	♦	♦	♦	♦	♦	♦	♦	5000	37,000	34	36	13,000	1,400	2,100	24,000	12,000	**250,000**
TOC (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	♦	♦	♦	♦	♦	10,000	35,000	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	♦	♦	♦	♦	♦	♦	♦	2.72	3.02	4.1	1.92	16.57	5.13	3.11	4.3	0.13	**N/A**

Notes:
ND = Non Detect | ♦ | Not analyzed
B = Concentration below the reporting limit equal to or above the detection limit.
J = Concentration below the reporting limit.
H = Analyzed outside of the holding time.
* Nitrogen, Nitrate was analyzed outside the recommended holding time for this sample and therefore the analytical results may be biased low.