GROUNDWATER MONITORING REPORT`

BEACHVIEW EXXON
2410 ARENDELL STREET, MOREHEAD CITY, NORTH CAROLINA
GROUNDWATER INCIDENT: 21125
FACILITY ID: 0-004619

SEPTEMBER 26, 2016

UST OWNER/OPERATOR:
HERBERT KELLY
P.O. BOX 596, MOREHEAD CITY, NC 28557

PROPERTY OWNER:
SAME AS UST OWNER

CONSULTANT:
HENRY NEMARGUT ENGINEERING SERVICES
2211 CHESTNUT STREET, WILMINGTON, NC 28405
PHONE NUMBER: (910) 762-5475

RELEASE INFORMATION:
DATE DISCOVERED: DECEMBER 28, 1998
ESTIMATED QUANTITY OF RELEASE: UNKNOWN
CAUSE OF RELEASE: UNKNOWN
SOURCE OF RELEASE: UST
SIZE AND CONTENTS: (1) 1,000 GALLON USED MOTOR OIL
LATITUDE: N 34° 43’24"; LONGITUDE: W 76° 44’09"

The Monitoring Report for this site has been prepared by Henry Nemargut Engineering Services under the direct supervision of licensed engineers or geologists. All engineering work performed on this project was conducted under my direct supervision:

Henry Nemargut, P. E.
Henry Nemargut Engineering Services
North Carolina License # 17669

Henry Nemargut Engineering Services
2211 Chestnut St., Wilmington, NC 28405 Phone (910) 762-5475 FAX • (910) 762-3284

September 26, 2016

Mr. Herbert Kelly
P.O. Box 596
Morehead City, NC 28557

Reference: Groundwater Monitoring Report
Beachview Exxon
2410 Arendell Street
Morehead City, North Carolina
Groundwater Incident Number: 21125

Please find enclosed a report summarizing the sampling, monitoring, and analyses for the on-site groundwater monitoring wells located at the above referenced facility. These activities were conducted as approved in the Pre-Approval form from the Regional NCDENR Office. This report contains the results of analyses of groundwater collected from twelve monitoring wells previously installed at this facility, along with results from the nearby Town of Morehead City water supply well.

Mr. Kelly, if you have any questions concerning this report, please contact our office.

Sincerely,

Henry Nemargut, P.E.
Henry Nemargut Engineering Services

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ATTACHMENTS

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GROUNDWATER MONITORING REPORT
Beachview Exxon
2410 Arendell Street
Morehead City, North Carolina
GW Incident Number 21125

1.0 Background

1.1 Introduction

Beachview Exxon is located at 2410 Arendell Street in Morehead City, North Carolina. Herbert Kelly previously owned and operated one 1,000 gallon used motor oil UST at this location. Figure 1 illustrates the location of this facility on the Beaufort Quadrangle U.S.G.S. Topo Map. The used oil UST was abandoned in-place at this site on December 28, 1998. Following UST closure assessment, groundwater contamination in the form of floating free product and dissolved constituents was found to exist at this facility. Groundwater Management Associates, Inc. (GMA) completed a Limited Site Assessment in 2000, and a Comprehensive Site Assessment (CSA) in 2001. The Corrective Action Plan (CAP) for this facility was submitted to the NCDENR on September 17, 2003 by GMA. The CAP for this site specified remediation of the dissolved contaminant plume via natural attenuation and remediation of the floating free phase product via periodic aggressive fluid vapor recovery (AFVR) events. The ultimate goal of the CAP is to protect nearby receptors which include the Town of Morehead City supply Well #1 which is located approximately 350' north of the release source area.

Figure 2 illustrates the layout of this site, the UST locations (fuel tanks and the abandoned used motor oil tank), and the monitor well locations. This report contains findings reached following sampling of the twelve monitoring wells installed at the site and 1 nearby monitoring well installed in conjunction with an off-site release.

1.2 Scope of Services

Henry Nemargut Engineering Services has been contracted by Herbert Kelly to conduct monitoring, sampling, and reporting for monitoring wells at this facility. This report contains a summary of the following activities conducted during July, 2016:

- Measurement of depth to groundwater for the monitor wells
- A monitor well sampling event conducted on July 6, 2016
- Laboratory analyses of groundwater samples conducted by Pace Analytical, Inc. of Huntersville, NC
- The approximate groundwater flow direction and hydraulic gradient at the site

2.0 Field Activities

2.1 Ground Water Flow Direction and Gradient

In order to estimate the groundwater flow direction in the vicinity of the petroleum release, elevations of the monitor well casings were measured using surveying equipment. Static water levels were obtained during the July 6, 2016 sampling event from each of the monitor wells. This data was used to compute a potentiometric surface map which is included as Figure 3.

Groundwater data and monitoring well information, which are summarized in Table 1, were also used to estimate the hydraulic gradient at the project site. Using the horizontal distance between the monitor wells and the static water levels, the groundwater was estimated to be flowing in a southwestern direction with a hydraulic gradient of approximately 0.011 ft/ft. The flow direction is away from the water supply Well #1 owned by the Town of Morehead City which is located to the north of the release source.

The groundwater measurements from vertical extent wells MW-7, MW-9, and MW-10 were not used in estimation of the potentiometric surface in the UST release. The data from these wells, however, does show that a downward gradient exists at the site which is generally reduced in the direction of groundwater flow.

2.2 Monitor Well Sampling and Analyses

On July 6, 2016 all of the existing monitor wells were sampled for analyses utilizing EPA Methods 6200B. Before sampling the monitor wells were purged by removing a minimum of three well volumes to ensure that samples were representative of the actual groundwater conditions. The wells were developed using disposable plastic balers suspended with unused nylon string. Following development of the groundwater monitoring wells, samples were obtained from the disposable balers. Free product was not present in MW-1 at the time of sampling as it had been removed by absorbent socks prior to collection of water samples.

All samples were placed in laboratory supplied glassware, labeled with sample location, analyses to be performed, time, date, and sampler's name. The sample jars were then immediately placed in a cooler, chilled with ice to approximately 4oC in preparation of transportation to an analytical laboratory utilizing EPA approved chain-of-custody procedures.

Results from the analytical laboratory reported the presence of one compounds in the July 6, 2016 groundwater samples above current listed 2L Standards. Tetrachloroethene (PCE) was detected at a maximum level of 7.5 ug/l in MW-4, compared to its 2L Standard of 0.7 ppb. PCE violations were also noted in wells MW-6 & MW-8. Eight petroleum related compounds were identified in the MW-1 sample at levels above detection limits, with naphthalene appearing above 2L Standards during this sampling event at a level of 6.4 ug/l compared to a 2L Standard of 6 ug/l. Table 2 summarizes the analytical results for the groundwater samples collected on July 6, 2016. The extent of dissolved PCE in the groundwater is illustrated on Figure 4.

2.3 Supply Well Sampling and Analyses

On July 6, 2016, the nearby municipal supply well owned by the Town of Morehead City was sampled for analyses utilizing EPA Methods 6200B plus MTBE, IPE, & EDB. Town of Morehead City personnel accompanied HN Engineering during the sampling. According to the on-site Town representative, the well was not being currently used but was purged for 15 minutes prior to our arrival in order to obtain a representative sample. The sample was obtained from the sample spigot located closest to the well head discharge following purging.

All samples were placed in laboratory supplied glassware, labeled with sample location, analysis to be performed, time, date and sampler's name. The sample jars were then immediately placed in a cooler, chilled with ice to approximately 4oC in preparation of transportation to an analytical laboratory utilizing EPA approved chain-of-custody procedures.

Laboratory analytical results of the Town of Morehead City water supply Well #1 failed to indicate the presence of any 6200B compounds above laboratory detection limits in the sample obtained on July 6, 2016. Table 2 summarizes the analytical results for the groundwater samples collected on July 6, 2016.

2.4 Plume Development

The maximum PCE contaminant levels have decreased significantly since the initial sampling events were conducted in 2001. The shallow monitoring wells have shown a general decrease in PCE since the initiation of this project. Worst-case monitoring well MW-4 exhibited a slight rebound during this most recent sampling event from the historical low concentration of PCE noted on March 18, 2015. Based on time-based analytical data, the plume does not appear to be migrating towards the Town of Morehead City supply well. The latest sampling event on July 6, 2016 shows a continued trend of reduced PCE contaminant levels at the site.

Table 3 contains the time based analytical results for PCE, and Figure 5 illustrates the same information graphically. The data collected during all the sampling events demonstrates that the dissolved groundwater plume is generally decreasing at this site, with PCE concentrations at or near historically low levels in almost all of the on-site monitoring wells.

3.0 Conclusions and Recommendations

3.1 Conclusions

From a review of all information gathered during groundwater monitoring activities, the following conclusions are noted by Henry Nemargut Engineering Services:

o Levels of PCE above current listed 2L Standards were reported in groundwater samples collected on July 6, 2016 at the project site. Naphthalene was noted at 6.4 ug/l in MW-1, representing the only other 2L violation at this site.

o The shallow monitoring wells have shown a general decrease in PCE since the initiation of this project. Based on potentiometric data, contaminants do not appear to be migrating towards the Town of Morehead City supply well. The latest sampling event on July 6, 2016 shows a continued trend of reduced PCE contaminant levels at the site, with concentrations at historically low levels in most of the monitoring wells during this event.

o Laboratory analytical results of the Town of Morehead City water supply Well #1 failed to indicate the presence of any 6200B compounds above laboratory detection limits in the sample obtained on July 6, 2016.

3.2 Recommendations

Henry Nemargut Engineering Services recommends the NCDENR determine an acceptable frequency for sampling the monitoring wells at this site since levels are decreasing and migrating away from sensitive receptors.

A copy of this report has been forwarded to the following address:

Ms. Liz Price
Wilmington Regional Office - NCDENR
127 Cardinal Drive Extension
Wilmington, North Carolina 28405-3845

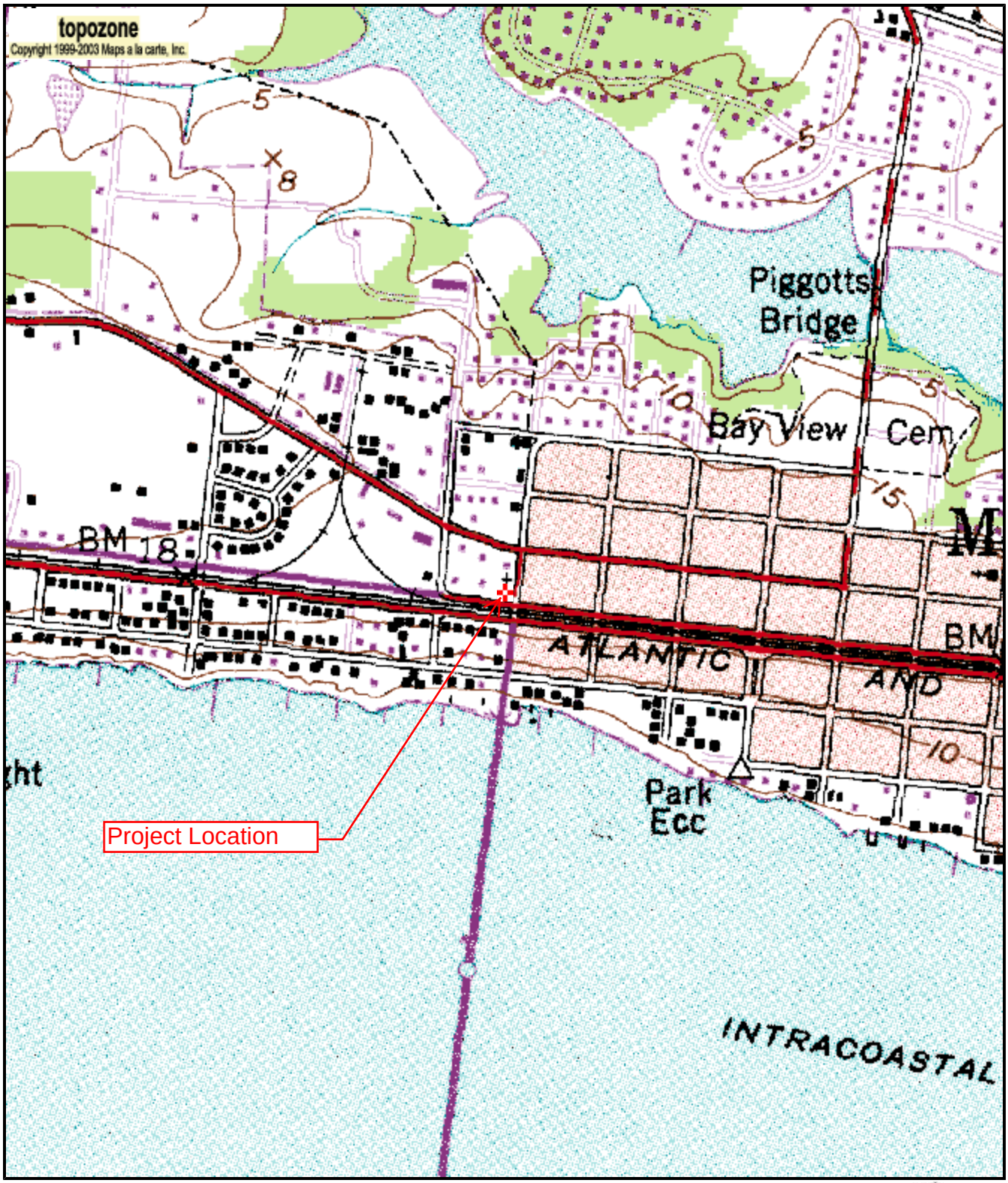
3.3 Limitations

This report has been prepared for the exclusive use of Herbert Kelly for the specific application to the referenced site located in Carteret County, North Carolina. The assessment was conducted based on the scope of work and level of effort desired by the client. Our findings have been developed in accordance with generally accepted standards in the practice of Active Remediation Monitoring in the State of North Carolina, available information and our professional judgment. No other warranty is expressed or implied.

The data presented in this report are indicative of conditions that existed at the precise locations sampled and at the time the samples were collected. Additionally, the data obtained from the samples would be interpreted as meaningful with respect to the parameters indicated in the laboratory reports. No additional information can be logically inferred from this data.

FIGURES

FIGURE 1: PROJECT LOCATION - USGS TOPOGRAPHIC MAP



0 0.1 0.2 0.3 0.4 0.5 km

0 0.09 0.18 0.27 0.36 0.45 mi

34° 43' 24"N, 76° 44' 09"W (NAD83/WGS84)

USGS Beaufort (NC) Quadrangle

Projection is UTM Zone 18 NAD83 Datum

M=-9.827
G=-0.989

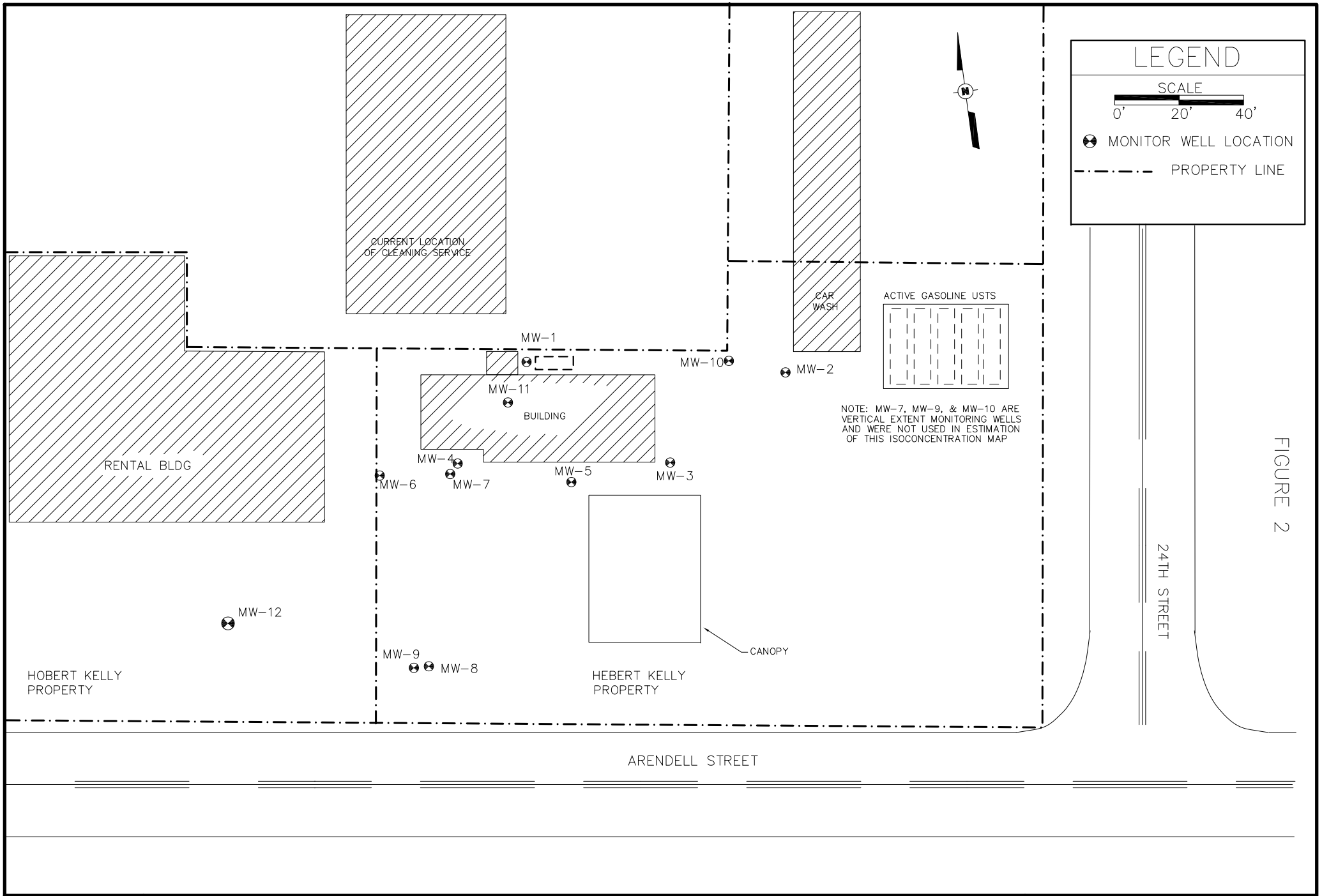


FIGURE 2

SCALE: 1"=40'	TITLE: SITE LAYOUT & MONITOR WELL LOCATION MAP 2410 ARENDELL STREET	PROJECT: GH2O MONITORING BEACHVIEW EXXON MOREHEAD CITY, NC	CLIENT: HERBERT KELLY MOREHEAD CITY, NC
DATE: 8/18/11			
DWN. BY: HN			
DWG. NO. BEACH-A			

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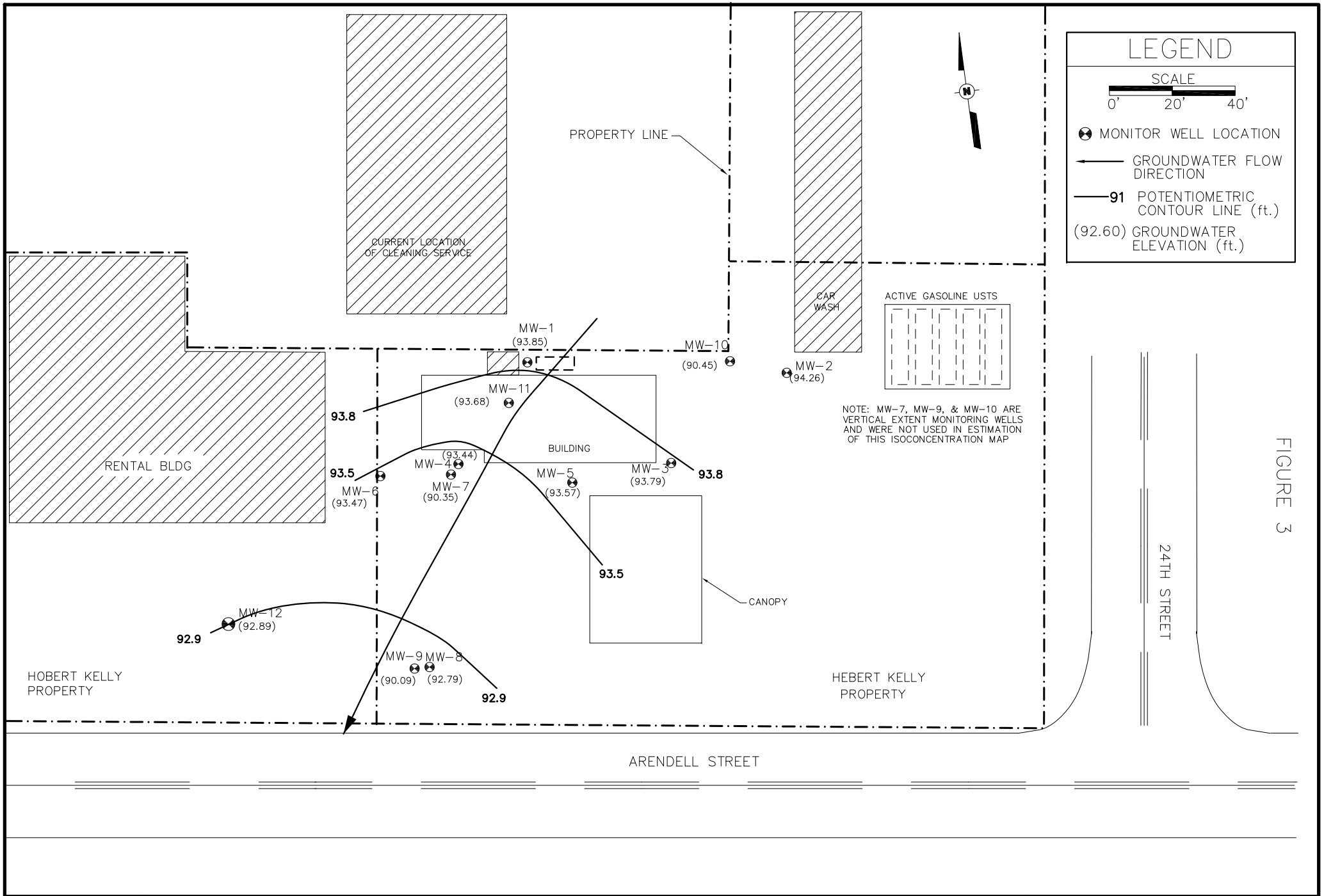

SCALE: 1"=40'	TITLE: POTENTIOMETRIC SURFACE MAP AS MEASURED ON 7/6/2016 2410 ARENDELL STREET	PROJECT: GH2O MONITORING BEACHVIEW EXXON MOREHEAD CITY, NC	CLIENT: HERBERT KELLY MOREHEAD CITY, NC
DATE: 9/26/16			
DWN. BY: HN			
DWG. NO. BEACH-3			

HENRY NEMARGUT ENGINEERING SERVICES
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WILMINGTON, NORTH CAROLINA 28405
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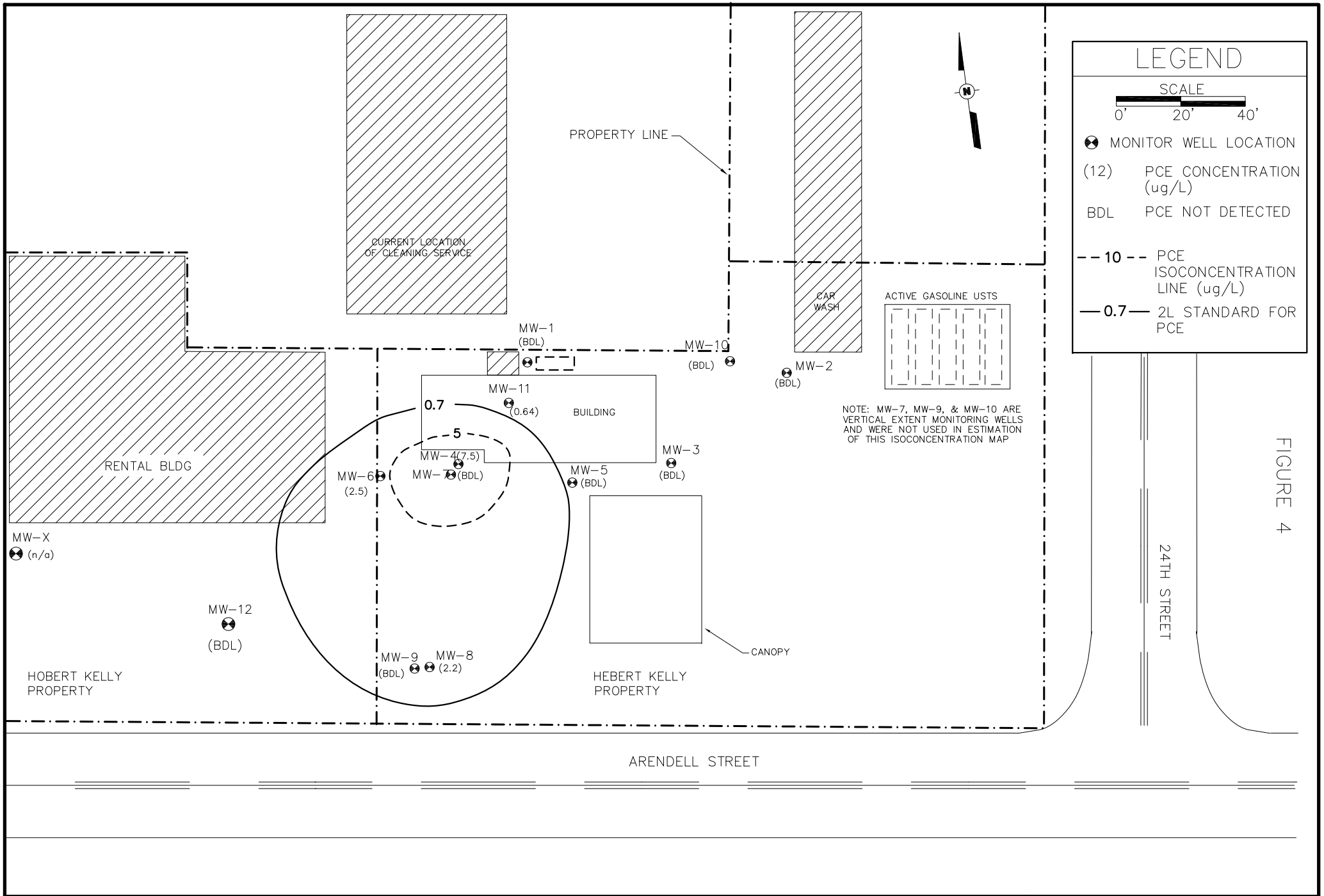

FIGURE 4

SCALE: 1"=40'	TITLE: PCE ISOCONCENTRATION MAP 2410 ARENDELL STREET AS MEASURED ON 7/6/2016	PROJECT: GH2O MONITORING BEACHVIEW EXXON MOREHEAD CITY, NC	CLIENT: HERBERT KELLY MOREHEAD CITY, NC
DATE: 9/26/16			
DWN. BY: HN			
DWG. NO. BEACH-4			

HENRY NEMARGUT ENGINEERING SERVICES
2211 CHESTNUT STREET
WILMINGTON, NORTH CAROLINA 28405
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TABLES

TABLE 1

Monitoring Well Information and Groundwater Elevations

Beachview Exxon
2410 Arendell Street, Morehead City, North Carolina

Well Number	Top of Casing Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water	Groundwater Elevation
MW-1	99.95	94.45	89.45	6.10	93.85
MW-2	98.81	94.81	87.81	4.55	94.26
MW-3	100.00	96.00	89.00	6.21	93.79
MW-4	99.88	95.88	88.88	6.44	93.44
MW-5	100.22	96.52	89.52	6.65	93.57
MW-6	99.75	95.75	88.75	6.28	93.47
MW-7	99.81	74.81	64.81	9.46	90.35
MW-8	98.90	94.90	88.90	6.11	92.79
MW-9	98.65	74.65	64.65	8.56	90.09
MW-10	99.14	73.14	63.14	8.69	90.45
MW-11	100.46	95.56	85.56	6.78	93.68
MW-12	98.57	94.57	84.57	5.68	92.89

All measurements taken from new survey conducted by HN Engineering. Arbitrary benchmark of 100 ft. established at Fuss & O'Neille
Groundwater levels measured on 7/6/2016

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

BEACHVIEW EXXON

2401 ARENDELL STREET, MOREHEAD CITY. NC 28557

Constituent	MW-1	MW-2	MW-3	MW-4	MW-5	GCL	2L Standard
Date	*7/6/2016*	*7/6/2016*	*7/6/2016*	*7/6/2016*	*7/6/2016*		
Method 6230D (ug/L)							
Benzene	BDL	BDL	BDL	BDL	BDL	5,000	1
Toluene	0.83	BDL	BDL	BDL	BDL	260,000	600
Ethylbenzene	3	BDL	BDL	BDL	BDL	84,500	600
Xylenes (total)	9.2	BDL	BDL	BDL	BDL	85,500	500
BTEX (total)	13.03	BDL	BDL	BDL	BDL	NSE	NSE
p-Isopropyltoluene	BDL	BDL	BDL	BDL	BDL	NSE	NSE
Isopropylbenzene	BDL	BDL	BDL	BDL	BDL	25,000	70
Diisopropyl Ether (DIPE)	BDL	BDL	BDL	BDL	BDL	70,000	70
Naphthalene	**6.4**	BDL	BDL	BDL	BDL	15,500	21
n-propylbenzene	0.75	BDL	BDL	BDL	BDL	30,000	70
n-butylbenzene	BDL	BDL	BDL	BDL	BDL	6,900	70
sec-butylbenzene	BDL	BDL	BDL	BDL	BDL	8,500	70
Methyl-tert-butyl-ether (MTBE)	BDL	BDL	BDL	BDL	BDL	20,000	20
1,2,4-Trimethylbenzene	9.9	BDL	BDL	BDL	BDL	28,500	400
1,3,5-Trimethylbenzene	1.2	BDL	BDL	BDL	BDL	25,000	400
1,1,1 Trichloroethane	BDL	BDL	BDL	BDL	BDL	200,000	200
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	70,000	70
Chloromethane	BDL	BDL	BDL	BDL	BDL	3000	3
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	20,000	20
cis-1,2-Dichloroethene	1.4	BDL	BDL	BDL	BDL	70,000	70
Tetrachloroethene	BDL	BDL	BDL	**7.5**	BDL	700	0.7
Trichloroethene	BDL	BDL	BDL	BDL	BDL	3000	3
Method 625 (ug/L)							
2,4-Dimethylphenol	N/A	N/A	N/A	N/A	N/A	140000	140
Aliphatic Fraction Classes (ug/L)							
C5-C8 Volatile Aliphatics	N/A	N/A	N/A	N/A	N/A	NSE	420
C9-C12 Volatile Aliphatics	N/A	N/A	N/A	N/A	N/A	NSE	NSE
C9-C18 Extractable Aliphatics	N/A	N/A	N/A	N/A	N/A	NSE	4,200
C9-C18 Aliphatics (total)	N/A	N/A	N/A	N/A	N/A	NSE	4,200
C19-C36 Extractable Aliphatics	N/A	N/A	N/A	N/A	N/A	NSE	42,000
Aromatic Fraction Classes (ug/L)							
C9-C10 Volatile Aromatics	N/A	N/A	N/A	N/A	N/A	NSE	NSE
C11-C22 Extractable Aromatics	N/A	N/A	N/A	N/A	N/A	NSE	NSE
C9-C22 Aromatics (total)	N/A	N/A	N/A	N/A	N/A	NSE	210

N/A = Not Analyzed

BDL = Below Detection Limits

NSE = No Standard Established

TABLE 2 (continued)

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

BEACHVIEW EXXON

2401 ARENDELL STREET, MOREHEAD CITY. NC 28557

Constituent	MW-6	MW-7	MW-8	MW-9	MW-10	GCL	2L Standard
Date	*7/6/2016*	*7/6/2016*	*7/6/2016*	*7/6/2016*	*7/6/2016*		
Method 6230D (ug/L)							
Benzene	BDL	BDL	BDL	BDL	BDL	5,000	1
Toluene	BDL	BDL	BDL	BDL	BDL	260,000	600
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	84,500	600
Xylenes (total)	BDL	BDL	BDL	BDL	BDL	85,500	500
BTEX (total)	BDL	BDL	BDL	BDL	BDL	NSE	NSE
p-Isopropyltoluene	BDL	BDL	BDL	BDL	BDL	NSE	NSE
Isopropylbenzene	BDL	BDL	BDL	BDL	BDL	25,000	70
Diisopropyl Ether (DIPE)	BDL	BDL	BDL	BDL	BDL	70,000	70
Naphthalene	BDL	BDL	BDL	BDL	BDL	15,500	21
n-propylbenzene	BDL	BDL	BDL	BDL	BDL	30,000	70
n-butylbenzene	BDL	BDL	BDL	BDL	BDL	6,900	70
sec-butylbenzene	BDL	BDL	BDL	BDL	BDL	8,500	70
Methyl-tert-butyl-ether (MTBE)	BDL	BDL	BDL	BDL	BDL	20,000	20
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	28,500	400
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	25,000	400
1,1,1 Trichloroethane	BDL	BDL	BDL	BDL	BDL	200,000	200
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	70,000	70
Chloromethane	BDL	BDL	BDL	BDL	BDL	3000	3
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	20,000	20
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	70,000	70
Tetrachloroethene	**2.5**	BDL	**2.2**	BDL	BDL	700	0.7
Trichloroethene	BDL	BDL	BDL	BDL	BDL	3000	3
Method 625 (ug/L)							
2,4-Dimethylphenol	N/A	N/A	N/A	N/A	N/A	140000	140
Aliphatic Fraction Classes (ug/L)							
C5-C8 Volatile Aliphatics	N/A	N/A	N/A	N/A	N/A	NSE	420
C9-C12 Volatile Aliphatics	N/A	N/A	N/A	N/A	N/A	NSE	NSE
C9-C18 Extractable Aliphatics	N/A	N/A	N/A	N/A	N/A	NSE	4,200
C9-C18 Aliphatics (total)	N/A	N/A	N/A	N/A	N/A	NSE	4,200
C19-C36 Extractable Aliphatics	N/A	N/A	N/A	N/A	N/A	NSE	42,000
Aromatic Fraction Classes (ug/L)							
C9-C10 Volatile Aromatics	N/A	N/A	N/A	N/A	N/A	NSE	NSE
C11-C22 Extractable Aromatics	N/A	N/A	N/A	N/A	N/A	NSE	NSE
C9-C22 Aromatics (total)	N/A	N/A	N/A	N/A	N/A	NSE	210

N/A = Not Analyzed

BDL = Below Detection Limits

NSE = No Standard Established

TABLE 2 (continued)

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

BEACHVIEW EXXON

2401 ARENDELL STREET, MOREHEAD CITY. NC 28557

Constituent	MW-11	MW-12	SW-1			GCL	2L Standard
Date	*7/6/2016*	*7/6/2016*	*7/6/2016*				
Method 6230D (ug/L)							
Benzene	BDL	BDL	BDL			5,000	1
Toluene	BDL	BDL	BDL			260,000	600
Ethylbenzene	BDL	BDL	BDL			84,500	600
Xylenes (total)	BDL	BDL	BDL			85,500	500
BTEX (total)	BDL	BDL	BDL			NSE	NSE
p-Isopropyltoluene	BDL	BDL	BDL			NSE	NSE
Isopropylbenzene	BDL	BDL	BDL			25,000	70
Diisopropyl Ether (DIPE)	BDL	BDL	BDL			70,000	70
Naphthalene	BDL	BDL	BDL			6,000	6
n-propylbenzene	BDL	BDL	BDL			30,000	70
n-butylbenzene	BDL	BDL	BDL			6,900	70
sec-butylbenzene	BDL	BDL	BDL			8,500	70
Methyl-tert-butyl-ether (MTBE)	BDL	BDL	BDL			20,000	20
1,2,4-Trimethylbenzene	BDL	BDL	BDL			28,500	400
1,3,5-Trimethylbenzene	BDL	BDL	BDL			25,000	400
1,1,1 Trichloroethane	BDL	BDL	BDL			200,000	200
1,1-Dichloroethane	BDL	BDL	BDL			70,000	70
Chloromethane	BDL	BDL	BDL			3000	3
1,2-Dichlorobenzene	BDL	BDL	BDL			20,000	20
cis-1,2-Dichloroethene	BDL	BDL	BDL			70,000	70
Tetrachloroethene	0.64	BDL	BDL			700	0.7
Trichloroethene	BDL	BDL	BDL			3000	3
Method 625 (ug/L)							
2,4-Dimethylphenol	N/A	N/A	N/A			140000	140
Aliphatic Fraction Classes (ug/L)							
C5-C8 Volatile Aliphatics	N/A	N/A	N/A			NSE	420
C9-C12 Volatile Aliphatics	N/A	N/A	N/A			NSE	NSE
C9-C18 Extractable Aliphatics	N/A	N/A	N/A			NSE	4,200
C9-C18 Aliphatics (total)	N/A	N/A	N/A			NSE	4,200
C19-C36 Extractable Aliphatics	N/A	N/A	N/A			NSE	42,000
Aromatic Fraction Classes (ug/L)							
C9-C10 Volatile Aromatics	N/A	N/A	N/A			NSE	NSE
C11-C22 Extractable Aromatics	N/A	N/A	N/A			NSE	NSE
C9-C22 Aromatics (total)	N/A	N/A	N/A			NSE	210

N/A = Not Analyzed

BDL = Below Detection Limits

NSE = No Standard Established

TABLE 3

Time Based Analytical Data - PCE Concentrations
Beachview Exxon
2410 Arendell St, Morehead City, NC

Date of Sampling	MW-1	MW-4	MW-5	MW-6	MW-7	MW-8	MW-11	MW-12
10/26/2000	0	52						
7/24/2003		39	4.8					
12/16/2003		19	3.5	9.9	2.6	3.1		
3/16/2004		17	3.4	10	0	4.5		
7/22/2004		21	1.2	8.4	0	2.7		
2/2/2005		15	0.62		0.54	1.7		
11/20/2007	0	13	0.78	8.5	12	0.85	0.63	5.6
7/13/2011	0	12	0.95	8.3	0.7	1.5	1.6	1.8
11/21/2013	0	9.7	0	6.2	0	1.5	1.7	0
8/20/2014	0	12.2	1.2	4.7	0	1.1	1.9	0
3/18/2015	0	6.6	0.62	3.4	0	1.2	0.57	0
7/6/2016	0	7.5	0	2.5	0	2.2	0.64	0

Results in ug/l

ATTACHMENT A

LABORATORY ANALYTICAL RESULTS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

July 12, 2016

Henry Nemargut
Henry Nemargut Engineering
2211 Chestnut Street
Wilmington, NC 28405

RE: Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Dear Henry Nemargut:
Enclosed are the analytical results for sample(s) received by the laboratory on July 06, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

Sincerely,

Kevin Godwin
kevin.godwin@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92304192001	**MW-1**	Water	07/06/16 11:10	07/06/16 17:45
92304192002	**MW-2**	Water	07/06/16 11:30	07/06/16 17:45
92304192003	**MW-3**	Water	07/06/16 11:55	07/06/16 17:45
92304192004	**MW-4**	Water	07/06/16 12:20	07/06/16 17:45
92304192005	**MW-5**	Water	07/06/16 12:55	07/06/16 17:45
92304192006	**MW-6**	Water	07/06/16 13:20	07/06/16 17:45
92304192007	**MW-7**	Water	07/06/16 13:40	07/06/16 17:45
92304192008	**MW-8**	Water	07/06/16 14:05	07/06/16 17:45
92304192009	**MW-9**	Water	07/06/16 14:25	07/06/16 17:45
92304192010	**MW-10**	Water	07/06/16 14:45	07/06/16 17:45
92304192011	**MW-11**	Water	07/06/16 15:10	07/06/16 17:45
92304192012	**MW-12**	Water	07/06/16 15:30	07/06/16 17:45
92304192013	**SW-1**	Water	07/06/16 12:40	07/06/16 17:45

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SAMPLE ANALYTE COUNT

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92304192001	**MW-1**	SM 6200B	CAH	63	PASI-C
92304192002	**MW-2**	SM 6200B	CAH	63	PASI-C
92304192003	**MW-3**	SM 6200B	CAH	63	PASI-C
92304192004	**MW-4**	SM 6200B	CAH	63	PASI-C
92304192005	**MW-5**	SM 6200B	CAH	63	PASI-C
92304192006	**MW-6**	SM 6200B	CAH	63	PASI-C
92304192007	**MW-7**	SM 6200B	CAH	63	PASI-C
92304192008	**MW-8**	SM 6200B	CAH	63	PASI-C
92304192009	**MW-9**	SM 6200B	CAH	63	PASI-C
92304192010	**MW-10**	SM 6200B	CAH	63	PASI-C
92304192011	**MW-11**	SM 6200B	CAH	63	PASI-C
92304192012	**MW-12**	SM 6200B	CAH	63	PASI-C
92304192013	**SW-1**	SM 6200B	CAH	63	PASI-C

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SUMMARY OF DETECTION

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92304192001	**MW-1**					
SM 6200B	cis-1,2-Dichloroethene	1.4	ug/L	0.50	07/11/16 15:18	
SM 6200B	Ethylbenzene	3.0	ug/L	0.50	07/11/16 15:18	
SM 6200B	Naphthalene	6.4	ug/L	2.0	07/11/16 15:18	
SM 6200B	n-Propylbenzene	0.75	ug/L	0.50	07/11/16 15:18	
SM 6200B	Toluene	0.83	ug/L	0.50	07/11/16 15:18	
SM 6200B	1,2,4-Trimethylbenzene	9.9	ug/L	0.50	07/11/16 15:18	
SM 6200B	1,3,5-Trimethylbenzene	1.2	ug/L	0.50	07/11/16 15:18	
SM 6200B	m&p-Xylene	5.8	ug/L	1.0	07/11/16 15:18	
SM 6200B	o-Xylene	3.4	ug/L	0.50	07/11/16 15:18	
92304192004	**MW-4**					
SM 6200B	Tetrachloroethene	7.5	ug/L	0.50	07/11/16 16:09	
92304192006	**MW-6**					
SM 6200B	Tetrachloroethene	2.5	ug/L	0.50	07/11/16 16:43	
92304192008	**MW-8**					
SM 6200B	Tetrachloroethene	2.2	ug/L	0.50	07/11/16 17:17	
92304192011	**MW-11**					
SM 6200B	Tetrachloroethene	0.64	ug/L	0.50	07/11/16 18:07	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-1 **Lab ID: 92304192001** Collected: 07/06/16 11:10 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/11/16 15:18	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/11/16 15:18	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/11/16 15:18	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/11/16 15:18	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/11/16 15:18	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/11/16 15:18	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/11/16 15:18	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/11/16 15:18	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/11/16 15:18	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/11/16 15:18	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/11/16 15:18	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/11/16 15:18	75-00-3	
Chloroform	ND	ug/L	0.50	1		07/11/16 15:18	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/11/16 15:18	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 15:18	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 15:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/11/16 15:18	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/11/16 15:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/11/16 15:18	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/11/16 15:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 15:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 15:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 15:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/11/16 15:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		07/11/16 15:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/11/16 15:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		07/11/16 15:18	75-35-4	
cis-1,2-Dichloroethene	**1.4**	ug/L	0.50	1		07/11/16 15:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 15:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 15:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/11/16 15:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 15:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/11/16 15:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 15:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 15:18	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/11/16 15:18	108-20-3	
Ethylbenzene	**3.0**	ug/L	0.50	1		07/11/16 15:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/11/16 15:18	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/11/16 15:18	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/11/16 15:18	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/11/16 15:18	1634-04-4	
Naphthalene	**6.4**	ug/L	2.0	1		07/11/16 15:18	91-20-3	
n-Propylbenzene	**0.75**	ug/L	0.50	1		07/11/16 15:18	103-65-1	
Styrene	ND	ug/L	0.50	1		07/11/16 15:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 15:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 15:18	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		07/11/16 15:18	127-18-4	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-1 **Lab ID: 92304192001** Collected: 07/06/16 11:10 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	**0.83**	ug/L	0.50	1		07/11/16 15:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 15:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 15:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/11/16 15:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/11/16 15:18	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		07/11/16 15:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/11/16 15:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/11/16 15:18	96-18-4	
1,2,4-Trimethylbenzene	**9.9**	ug/L	0.50	1		07/11/16 15:18	95-63-6	
1,3,5-Trimethylbenzene	**1.2**	ug/L	0.50	1		07/11/16 15:18	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/11/16 15:18	75-01-4	
m&p-Xylene	**5.8**	ug/L	1.0	1		07/11/16 15:18	179601-23-1	
o-Xylene	**3.4**	ug/L	0.50	1		07/11/16 15:18	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	70-130	1		07/11/16 15:18	17060-07-0	
4-Bromofluorobenzene (S)	99	%	70-130	1		07/11/16 15:18	460-00-4	
Toluene-d8 (S)	103	%	70-130	1		07/11/16 15:18	2037-26-5	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-2 **Lab ID: 92304192002** Collected: 07/06/16 11:30 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/11/16 15:34	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/11/16 15:34	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/11/16 15:34	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/11/16 15:34	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/11/16 15:34	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/11/16 15:34	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/11/16 15:34	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/11/16 15:34	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/11/16 15:34	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/11/16 15:34	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/11/16 15:34	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/11/16 15:34	75-00-3	
Chloroform	ND	ug/L	0.50	1		07/11/16 15:34	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/11/16 15:34	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 15:34	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 15:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/11/16 15:34	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/11/16 15:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/11/16 15:34	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/11/16 15:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 15:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 15:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 15:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/11/16 15:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		07/11/16 15:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/11/16 15:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		07/11/16 15:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 15:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 15:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 15:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/11/16 15:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 15:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/11/16 15:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 15:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 15:34	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/11/16 15:34	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		07/11/16 15:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/11/16 15:34	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/11/16 15:34	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/11/16 15:34	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/11/16 15:34	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		07/11/16 15:34	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		07/11/16 15:34	103-65-1	
Styrene	ND	ug/L	0.50	1		07/11/16 15:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 15:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 15:34	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		07/11/16 15:34	127-18-4	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-2 **Lab ID: 92304192002** Collected: 07/06/16 11:30 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		07/11/16 15:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 15:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 15:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/11/16 15:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/11/16 15:34	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		07/11/16 15:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/11/16 15:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/11/16 15:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 15:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 15:34	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/11/16 15:34	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		07/11/16 15:34	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		07/11/16 15:34	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		07/11/16 15:34	17060-07-0	
4-Bromofluorobenzene (S)	99	%	70-130	1		07/11/16 15:34	460-00-4	
Toluene-d8 (S)	104	%	70-130	1		07/11/16 15:34	2037-26-5	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-3 **Lab ID: 92304192003** Collected: 07/06/16 11:55 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/11/16 15:51	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/11/16 15:51	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/11/16 15:51	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/11/16 15:51	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/11/16 15:51	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/11/16 15:51	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/11/16 15:51	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/11/16 15:51	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/11/16 15:51	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/11/16 15:51	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/11/16 15:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/11/16 15:51	75-00-3	
Chloroform	ND	ug/L	0.50	1		07/11/16 15:51	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/11/16 15:51	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 15:51	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 15:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/11/16 15:51	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/11/16 15:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/11/16 15:51	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/11/16 15:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 15:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 15:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 15:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/11/16 15:51	75-71-8	M1
1,1-Dichloroethane	ND	ug/L	0.50	1		07/11/16 15:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/11/16 15:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		07/11/16 15:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 15:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 15:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 15:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/11/16 15:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 15:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/11/16 15:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 15:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 15:51	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/11/16 15:51	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		07/11/16 15:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/11/16 15:51	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/11/16 15:51	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/11/16 15:51	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/11/16 15:51	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		07/11/16 15:51	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		07/11/16 15:51	103-65-1	
Styrene	ND	ug/L	0.50	1		07/11/16 15:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 15:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 15:51	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		07/11/16 15:51	127-18-4	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-3 **Lab ID: 92304192003** Collected: 07/06/16 11:55 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		07/11/16 15:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 15:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 15:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/11/16 15:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/11/16 15:51	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		07/11/16 15:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/11/16 15:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/11/16 15:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 15:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 15:51	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/11/16 15:51	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		07/11/16 15:51	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		07/11/16 15:51	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		07/11/16 15:51	17060-07-0	
4-Bromofluorobenzene (S)	98	%	70-130	1		07/11/16 15:51	460-00-4	
Toluene-d8 (S)	102	%	70-130	1		07/11/16 15:51	2037-26-5	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-4 **Lab ID: 92304192004** Collected: 07/06/16 12:20 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/11/16 16:09	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/11/16 16:09	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/11/16 16:09	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/11/16 16:09	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/11/16 16:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/11/16 16:09	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/11/16 16:09	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/11/16 16:09	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/11/16 16:09	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/11/16 16:09	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/11/16 16:09	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/11/16 16:09	75-00-3	
Chloroform	ND	ug/L	0.50	1		07/11/16 16:09	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/11/16 16:09	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 16:09	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 16:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/11/16 16:09	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/11/16 16:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/11/16 16:09	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/11/16 16:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 16:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 16:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 16:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/11/16 16:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		07/11/16 16:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/11/16 16:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		07/11/16 16:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 16:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 16:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 16:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/11/16 16:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 16:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/11/16 16:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 16:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 16:09	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/11/16 16:09	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		07/11/16 16:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/11/16 16:09	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/11/16 16:09	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/11/16 16:09	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/11/16 16:09	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		07/11/16 16:09	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		07/11/16 16:09	103-65-1	
Styrene	ND	ug/L	0.50	1		07/11/16 16:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 16:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 16:09	79-34-5	
Tetrachloroethene	**7.5**	ug/L	0.50	1		07/11/16 16:09	127-18-4	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-4 **Lab ID: 92304192004** Collected: 07/06/16 12:20 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		07/11/16 16:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 16:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 16:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/11/16 16:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/11/16 16:09	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		07/11/16 16:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/11/16 16:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/11/16 16:09	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 16:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 16:09	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/11/16 16:09	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		07/11/16 16:09	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		07/11/16 16:09	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		07/11/16 16:09	17060-07-0	
4-Bromofluorobenzene (S)	98	%	70-130	1		07/11/16 16:09	460-00-4	
Toluene-d8 (S)	103	%	70-130	1		07/11/16 16:09	2037-26-5	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-5 **Lab ID: 92304192005** Collected: 07/06/16 12:55 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/11/16 16:26	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/11/16 16:26	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/11/16 16:26	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/11/16 16:26	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/11/16 16:26	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/11/16 16:26	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/11/16 16:26	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/11/16 16:26	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/11/16 16:26	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/11/16 16:26	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/11/16 16:26	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/11/16 16:26	75-00-3	
Chloroform	ND	ug/L	0.50	1		07/11/16 16:26	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/11/16 16:26	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 16:26	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 16:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/11/16 16:26	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/11/16 16:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/11/16 16:26	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/11/16 16:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 16:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 16:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 16:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/11/16 16:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		07/11/16 16:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/11/16 16:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		07/11/16 16:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 16:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 16:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 16:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/11/16 16:26	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 16:26	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/11/16 16:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 16:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 16:26	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/11/16 16:26	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		07/11/16 16:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/11/16 16:26	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/11/16 16:26	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/11/16 16:26	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/11/16 16:26	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		07/11/16 16:26	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		07/11/16 16:26	103-65-1	
Styrene	ND	ug/L	0.50	1		07/11/16 16:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 16:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 16:26	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		07/11/16 16:26	127-18-4	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-5 **Lab ID: 92304192005** Collected: 07/06/16 12:55 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		07/11/16 16:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 16:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 16:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/11/16 16:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/11/16 16:26	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		07/11/16 16:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/11/16 16:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/11/16 16:26	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 16:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 16:26	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/11/16 16:26	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		07/11/16 16:26	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		07/11/16 16:26	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		07/11/16 16:26	17060-07-0	
4-Bromofluorobenzene (S)	98	%	70-130	1		07/11/16 16:26	460-00-4	
Toluene-d8 (S)	103	%	70-130	1		07/11/16 16:26	2037-26-5	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-6 **Lab ID: 92304192006** Collected: 07/06/16 13:20 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/11/16 16:43	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/11/16 16:43	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/11/16 16:43	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/11/16 16:43	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/11/16 16:43	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/11/16 16:43	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/11/16 16:43	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/11/16 16:43	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/11/16 16:43	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/11/16 16:43	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/11/16 16:43	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/11/16 16:43	75-00-3	
Chloroform	ND	ug/L	0.50	1		07/11/16 16:43	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/11/16 16:43	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 16:43	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 16:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/11/16 16:43	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/11/16 16:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/11/16 16:43	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/11/16 16:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 16:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 16:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 16:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/11/16 16:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		07/11/16 16:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/11/16 16:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		07/11/16 16:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 16:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 16:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 16:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/11/16 16:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 16:43	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/11/16 16:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 16:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 16:43	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/11/16 16:43	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		07/11/16 16:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/11/16 16:43	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/11/16 16:43	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/11/16 16:43	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/11/16 16:43	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		07/11/16 16:43	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		07/11/16 16:43	103-65-1	
Styrene	ND	ug/L	0.50	1		07/11/16 16:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 16:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 16:43	79-34-5	
Tetrachloroethene	**2.5**	ug/L	0.50	1		07/11/16 16:43	127-18-4	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-6 **Lab ID: 92304192006** Collected: 07/06/16 13:20 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		07/11/16 16:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 16:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 16:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/11/16 16:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/11/16 16:43	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		07/11/16 16:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/11/16 16:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/11/16 16:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 16:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 16:43	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/11/16 16:43	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		07/11/16 16:43	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		07/11/16 16:43	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		07/11/16 16:43	17060-07-0	
4-Bromofluorobenzene (S)	99	%	70-130	1		07/11/16 16:43	460-00-4	
Toluene-d8 (S)	103	%	70-130	1		07/11/16 16:43	2037-26-5	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-7 **Lab ID: 92304192007** Collected: 07/06/16 13:40 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/11/16 17:00	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/11/16 17:00	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/11/16 17:00	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/11/16 17:00	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/11/16 17:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/11/16 17:00	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/11/16 17:00	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/11/16 17:00	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/11/16 17:00	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/11/16 17:00	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/11/16 17:00	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/11/16 17:00	75-00-3	
Chloroform	ND	ug/L	0.50	1		07/11/16 17:00	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/11/16 17:00	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 17:00	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 17:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/11/16 17:00	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/11/16 17:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/11/16 17:00	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/11/16 17:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 17:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 17:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 17:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/11/16 17:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		07/11/16 17:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/11/16 17:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		07/11/16 17:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 17:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 17:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 17:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/11/16 17:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 17:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/11/16 17:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 17:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 17:00	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/11/16 17:00	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		07/11/16 17:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/11/16 17:00	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/11/16 17:00	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/11/16 17:00	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/11/16 17:00	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		07/11/16 17:00	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		07/11/16 17:00	103-65-1	
Styrene	ND	ug/L	0.50	1		07/11/16 17:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 17:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 17:00	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		07/11/16 17:00	127-18-4	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-7 **Lab ID: 92304192007** Collected: 07/06/16 13:40 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		07/11/16 17:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 17:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 17:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/11/16 17:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/11/16 17:00	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		07/11/16 17:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/11/16 17:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/11/16 17:00	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 17:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 17:00	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/11/16 17:00	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		07/11/16 17:00	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		07/11/16 17:00	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	70-130	1		07/11/16 17:00	17060-07-0	
4-Bromofluorobenzene (S)	98	%	70-130	1		07/11/16 17:00	460-00-4	
Toluene-d8 (S)	102	%	70-130	1		07/11/16 17:00	2037-26-5	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-8 **Lab ID: 92304192008** Collected: 07/06/16 14:05 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/11/16 17:17	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/11/16 17:17	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/11/16 17:17	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/11/16 17:17	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/11/16 17:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/11/16 17:17	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/11/16 17:17	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/11/16 17:17	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/11/16 17:17	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/11/16 17:17	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/11/16 17:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/11/16 17:17	75-00-3	
Chloroform	ND	ug/L	0.50	1		07/11/16 17:17	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/11/16 17:17	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 17:17	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 17:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/11/16 17:17	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/11/16 17:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/11/16 17:17	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/11/16 17:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 17:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 17:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 17:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/11/16 17:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		07/11/16 17:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/11/16 17:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		07/11/16 17:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 17:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 17:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 17:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/11/16 17:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 17:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/11/16 17:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 17:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 17:17	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/11/16 17:17	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		07/11/16 17:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/11/16 17:17	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/11/16 17:17	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/11/16 17:17	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/11/16 17:17	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		07/11/16 17:17	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		07/11/16 17:17	103-65-1	
Styrene	ND	ug/L	0.50	1		07/11/16 17:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 17:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 17:17	79-34-5	
Tetrachloroethene	**2.2**	ug/L	0.50	1		07/11/16 17:17	127-18-4	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-8 **Lab ID: 92304192008** Collected: 07/06/16 14:05 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		07/11/16 17:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 17:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 17:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/11/16 17:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/11/16 17:17	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		07/11/16 17:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/11/16 17:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/11/16 17:17	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 17:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 17:17	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/11/16 17:17	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		07/11/16 17:17	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		07/11/16 17:17	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	70-130	1		07/11/16 17:17	17060-07-0	
4-Bromofluorobenzene (S)	98	%	70-130	1		07/11/16 17:17	460-00-4	
Toluene-d8 (S)	102	%	70-130	1		07/11/16 17:17	2037-26-5	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-9 **Lab ID: 92304192009** Collected: 07/06/16 14:25 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/11/16 17:34	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/11/16 17:34	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/11/16 17:34	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/11/16 17:34	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/11/16 17:34	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/11/16 17:34	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/11/16 17:34	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/11/16 17:34	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/11/16 17:34	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/11/16 17:34	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/11/16 17:34	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/11/16 17:34	75-00-3	
Chloroform	ND	ug/L	0.50	1		07/11/16 17:34	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/11/16 17:34	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 17:34	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 17:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/11/16 17:34	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/11/16 17:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/11/16 17:34	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/11/16 17:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 17:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 17:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 17:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/11/16 17:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		07/11/16 17:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/11/16 17:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		07/11/16 17:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 17:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 17:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 17:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/11/16 17:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 17:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/11/16 17:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 17:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 17:34	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/11/16 17:34	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		07/11/16 17:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/11/16 17:34	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/11/16 17:34	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/11/16 17:34	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/11/16 17:34	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		07/11/16 17:34	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		07/11/16 17:34	103-65-1	
Styrene	ND	ug/L	0.50	1		07/11/16 17:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 17:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 17:34	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		07/11/16 17:34	127-18-4	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-9 **Lab ID: 92304192009** Collected: 07/06/16 14:25 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		07/11/16 17:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 17:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 17:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/11/16 17:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/11/16 17:34	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		07/11/16 17:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/11/16 17:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/11/16 17:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 17:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 17:34	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/11/16 17:34	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		07/11/16 17:34	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		07/11/16 17:34	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		07/11/16 17:34	17060-07-0	
4-Bromofluorobenzene (S)	99	%	70-130	1		07/11/16 17:34	460-00-4	
Toluene-d8 (S)	102	%	70-130	1		07/11/16 17:34	2037-26-5	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-10 **Lab ID: 92304192010** Collected: 07/06/16 14:45 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/11/16 17:51	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/11/16 17:51	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/11/16 17:51	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/11/16 17:51	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/11/16 17:51	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/11/16 17:51	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/11/16 17:51	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/11/16 17:51	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/11/16 17:51	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/11/16 17:51	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/11/16 17:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/11/16 17:51	75-00-3	
Chloroform	ND	ug/L	0.50	1		07/11/16 17:51	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/11/16 17:51	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 17:51	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 17:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/11/16 17:51	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/11/16 17:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/11/16 17:51	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/11/16 17:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 17:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 17:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 17:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/11/16 17:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		07/11/16 17:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/11/16 17:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		07/11/16 17:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 17:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 17:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 17:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/11/16 17:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 17:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/11/16 17:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 17:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 17:51	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/11/16 17:51	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		07/11/16 17:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/11/16 17:51	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/11/16 17:51	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/11/16 17:51	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/11/16 17:51	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		07/11/16 17:51	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		07/11/16 17:51	103-65-1	
Styrene	ND	ug/L	0.50	1		07/11/16 17:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 17:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 17:51	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		07/11/16 17:51	127-18-4	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-10 **Lab ID: 92304192010** Collected: 07/06/16 14:45 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		07/11/16 17:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 17:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 17:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/11/16 17:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/11/16 17:51	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		07/11/16 17:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/11/16 17:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/11/16 17:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 17:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 17:51	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/11/16 17:51	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		07/11/16 17:51	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		07/11/16 17:51	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		07/11/16 17:51	17060-07-0	
4-Bromofluorobenzene (S)	98	%	70-130	1		07/11/16 17:51	460-00-4	
Toluene-d8 (S)	102	%	70-130	1		07/11/16 17:51	2037-26-5	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-11 **Lab ID: 92304192011** Collected: 07/06/16 15:10 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/11/16 18:07	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/11/16 18:07	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/11/16 18:07	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/11/16 18:07	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/11/16 18:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/11/16 18:07	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/11/16 18:07	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/11/16 18:07	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/11/16 18:07	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/11/16 18:07	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/11/16 18:07	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/11/16 18:07	75-00-3	
Chloroform	ND	ug/L	0.50	1		07/11/16 18:07	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/11/16 18:07	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 18:07	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 18:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/11/16 18:07	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/11/16 18:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/11/16 18:07	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/11/16 18:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 18:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 18:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 18:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/11/16 18:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		07/11/16 18:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/11/16 18:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		07/11/16 18:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 18:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 18:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 18:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/11/16 18:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 18:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/11/16 18:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 18:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 18:07	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/11/16 18:07	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		07/11/16 18:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/11/16 18:07	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/11/16 18:07	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/11/16 18:07	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/11/16 18:07	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		07/11/16 18:07	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		07/11/16 18:07	103-65-1	
Styrene	ND	ug/L	0.50	1		07/11/16 18:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 18:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 18:07	79-34-5	
Tetrachloroethene	**0.64**	ug/L	0.50	1		07/11/16 18:07	127-18-4	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-11 **Lab ID: 92304192011** Collected: 07/06/16 15:10 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		07/11/16 18:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 18:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 18:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/11/16 18:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/11/16 18:07	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		07/11/16 18:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/11/16 18:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/11/16 18:07	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 18:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 18:07	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/11/16 18:07	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		07/11/16 18:07	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		07/11/16 18:07	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	70-130	1		07/11/16 18:07	17060-07-0	
4-Bromofluorobenzene (S)	98	%	70-130	1		07/11/16 18:07	460-00-4	
Toluene-d8 (S)	102	%	70-130	1		07/11/16 18:07	2037-26-5	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-12 **Lab ID: 92304192012** Collected: 07/06/16 15:30 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/11/16 18:24	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/11/16 18:24	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/11/16 18:24	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/11/16 18:24	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/11/16 18:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/11/16 18:24	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/11/16 18:24	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/11/16 18:24	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/11/16 18:24	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/11/16 18:24	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/11/16 18:24	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/11/16 18:24	75-00-3	
Chloroform	ND	ug/L	0.50	1		07/11/16 18:24	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/11/16 18:24	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 18:24	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 18:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/11/16 18:24	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/11/16 18:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/11/16 18:24	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/11/16 18:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 18:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 18:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 18:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/11/16 18:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		07/11/16 18:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/11/16 18:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		07/11/16 18:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 18:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 18:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 18:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/11/16 18:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 18:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/11/16 18:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 18:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 18:24	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/11/16 18:24	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		07/11/16 18:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/11/16 18:24	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/11/16 18:24	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/11/16 18:24	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/11/16 18:24	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		07/11/16 18:24	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		07/11/16 18:24	103-65-1	
Styrene	ND	ug/L	0.50	1		07/11/16 18:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 18:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 18:24	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		07/11/16 18:24	127-18-4	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: MW-12 **Lab ID: 92304192012** Collected: 07/06/16 15:30 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		07/11/16 18:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 18:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 18:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/11/16 18:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/11/16 18:24	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		07/11/16 18:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/11/16 18:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/11/16 18:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 18:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 18:24	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/11/16 18:24	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		07/11/16 18:24	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		07/11/16 18:24	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		07/11/16 18:24	17060-07-0	
4-Bromofluorobenzene (S)	98	%	70-130	1		07/11/16 18:24	460-00-4	
Toluene-d8 (S)	103	%	70-130	1		07/11/16 18:24	2037-26-5	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: SW-1 **Lab ID: 92304192013** Collected: 07/06/16 12:40 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/11/16 18:42	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/11/16 18:42	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/11/16 18:42	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/11/16 18:42	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/11/16 18:42	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/11/16 18:42	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/11/16 18:42	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/11/16 18:42	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/11/16 18:42	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/11/16 18:42	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/11/16 18:42	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/11/16 18:42	75-00-3	
Chloroform	ND	ug/L	0.50	1		07/11/16 18:42	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/11/16 18:42	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 18:42	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/11/16 18:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/11/16 18:42	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/11/16 18:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/11/16 18:42	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/11/16 18:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 18:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 18:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/11/16 18:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/11/16 18:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		07/11/16 18:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/11/16 18:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		07/11/16 18:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 18:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/11/16 18:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 18:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/11/16 18:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/11/16 18:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/11/16 18:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 18:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/11/16 18:42	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/11/16 18:42	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		07/11/16 18:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/11/16 18:42	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/11/16 18:42	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/11/16 18:42	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/11/16 18:42	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		07/11/16 18:42	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		07/11/16 18:42	103-65-1	
Styrene	ND	ug/L	0.50	1		07/11/16 18:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 18:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/11/16 18:42	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		07/11/16 18:42	127-18-4	

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ANALYTICAL RESULTS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Sample: SW-1 **Lab ID: 92304192013** Collected: 07/06/16 12:40 Received: 07/06/16 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		07/11/16 18:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 18:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/11/16 18:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/11/16 18:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/11/16 18:42	79-00-5	
Trichloroethene	ND	ug/L	0.50	1		07/11/16 18:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/11/16 18:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/11/16 18:42	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 18:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		07/11/16 18:42	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/11/16 18:42	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		07/11/16 18:42	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		07/11/16 18:42	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		07/11/16 18:42	17060-07-0	
4-Bromofluorobenzene (S)	98	%	70-130	1		07/11/16 18:42	460-00-4	
Toluene-d8 (S)	103	%	70-130	1		07/11/16 18:42	2037-26-5	

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QUALITY CONTROL DATA

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

QC Batch: 320506 Analysis Method: SM 6200B
QC Batch Method: SM 6200B Analysis Description: 6200B MSV
Associated Lab Samples: 92304192001, 92304192002, 92304192003, 92304192004, 92304192005, 92304192006, 92304192007, 92304192008, 92304192009, 92304192010, 92304192011, 92304192012, 92304192013

METHOD BLANK: 1775919 Matrix: Water
Associated Lab Samples: 92304192001, 92304192002, 92304192003, 92304192004, 92304192005, 92304192006, 92304192007, 92304192008, 92304192009, 92304192010, 92304192011, 92304192012, 92304192013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	07/11/16 15:00	
1,1,1-Trichloroethane	ug/L	ND	0.50	07/11/16 15:00	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	07/11/16 15:00	
1,1,2-Trichloroethane	ug/L	ND	0.50	07/11/16 15:00	
1,1-Dichloroethane	ug/L	ND	0.50	07/11/16 15:00	
1,1-Dichloroethene	ug/L	ND	0.50	07/11/16 15:00	
1,1-Dichloropropene	ug/L	ND	0.50	07/11/16 15:00	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	07/11/16 15:00	
1,2,3-Trichloropropane	ug/L	ND	0.50	07/11/16 15:00	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	07/11/16 15:00	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	07/11/16 15:00	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	07/11/16 15:00	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	07/11/16 15:00	
1,2-Dichlorobenzene	ug/L	ND	0.50	07/11/16 15:00	
1,2-Dichloroethane	ug/L	ND	0.50	07/11/16 15:00	
1,2-Dichloropropane	ug/L	ND	0.50	07/11/16 15:00	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	07/11/16 15:00	
1,3-Dichlorobenzene	ug/L	ND	0.50	07/11/16 15:00	
1,3-Dichloropropane	ug/L	ND	0.50	07/11/16 15:00	
1,4-Dichlorobenzene	ug/L	ND	0.50	07/11/16 15:00	
2,2-Dichloropropane	ug/L	ND	0.50	07/11/16 15:00	
2-Chlorotoluene	ug/L	ND	0.50	07/11/16 15:00	
4-Chlorotoluene	ug/L	ND	0.50	07/11/16 15:00	
Benzene	ug/L	ND	0.50	07/11/16 15:00	
Bromobenzene	ug/L	ND	0.50	07/11/16 15:00	
Bromochloromethane	ug/L	ND	0.50	07/11/16 15:00	
Bromodichloromethane	ug/L	ND	0.50	07/11/16 15:00	
Bromoform	ug/L	ND	0.50	07/11/16 15:00	
Bromomethane	ug/L	ND	5.0	07/11/16 15:00	
Carbon tetrachloride	ug/L	ND	0.50	07/11/16 15:00	
Chlorobenzene	ug/L	ND	0.50	07/11/16 15:00	
Chloroethane	ug/L	ND	1.0	07/11/16 15:00	
Chloroform	ug/L	ND	0.50	07/11/16 15:00	
Chloromethane	ug/L	ND	1.0	07/11/16 15:00	
cis-1,2-Dichloroethene	ug/L	ND	0.50	07/11/16 15:00	
cis-1,3-Dichloropropene	ug/L	ND	0.50	07/11/16 15:00	
Dibromochloromethane	ug/L	ND	0.50	07/11/16 15:00	
Dibromomethane	ug/L	ND	0.50	07/11/16 15:00	
Dichlorodifluoromethane	ug/L	ND	0.50	07/11/16 15:00	
Diisopropyl ether	ug/L	ND	0.50	07/11/16 15:00	

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

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QUALITY CONTROL DATA

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

METHOD BLANK: 1775919 Matrix: Water

Associated Lab Samples: 92304192001, 92304192002, 92304192003, 92304192004, 92304192005, 92304192006, 92304192007, 92304192008, 92304192009, 92304192010, 92304192011, 92304192012, 92304192013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	0.50	07/11/16 15:00	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	07/11/16 15:00	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	07/11/16 15:00	
m&p-Xylene	ug/L	ND	1.0	07/11/16 15:00	
Methyl-tert-butyl ether	ug/L	ND	0.50	07/11/16 15:00	
Methylene Chloride	ug/L	ND	2.0	07/11/16 15:00	
n-Butylbenzene	ug/L	ND	0.50	07/11/16 15:00	
n-Propylbenzene	ug/L	ND	0.50	07/11/16 15:00	
Naphthalene	ug/L	ND	2.0	07/11/16 15:00	
o-Xylene	ug/L	ND	0.50	07/11/16 15:00	
sec-Butylbenzene	ug/L	ND	0.50	07/11/16 15:00	
Styrene	ug/L	ND	0.50	07/11/16 15:00	
tert-Butylbenzene	ug/L	ND	0.50	07/11/16 15:00	
Tetrachloroethene	ug/L	ND	0.50	07/11/16 15:00	
Toluene	ug/L	ND	0.50	07/11/16 15:00	
trans-1,2-Dichloroethene	ug/L	ND	0.50	07/11/16 15:00	
trans-1,3-Dichloropropene	ug/L	ND	0.50	07/11/16 15:00	
Trichloroethene	ug/L	ND	0.50	07/11/16 15:00	
Trichlorofluoromethane	ug/L	ND	1.0	07/11/16 15:00	
Vinyl chloride	ug/L	ND	1.0	07/11/16 15:00	
1,2-Dichloroethane-d4 (S)	%	109	70-130	07/11/16 15:00	
4-Bromofluorobenzene (S)	%	98	70-130	07/11/16 15:00	
Toluene-d8 (S)	%	103	70-130	07/11/16 15:00	

LABORATORY CONTROL SAMPLE: 1775920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.9	94	60-140	
1,1,1-Trichloroethane	ug/L	50	50.8	102	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	46.0	92	60-140	
1,1,2-Trichloroethane	ug/L	50	49.0	98	60-140	
1,1-Dichloroethane	ug/L	50	50.2	100	60-140	
1,1-Dichloroethene	ug/L	50	52.5	105	60-140	
1,1-Dichloropropene	ug/L	50	48.4	97	60-140	
1,2,3-Trichlorobenzene	ug/L	50	52.8	106	60-140	
1,2,3-Trichloropropane	ug/L	50	47.6	95	60-140	
1,2,4-Trichlorobenzene	ug/L	50	50.3	101	60-140	
1,2,4-Trimethylbenzene	ug/L	50	48.2	96	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	47.1	94	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	50.6	101	60-140	
1,2-Dichlorobenzene	ug/L	50	51.4	103	60-140	
1,2-Dichloroethane	ug/L	50	49.4	99	60-140	
1,2-Dichloropropane	ug/L	50	46.3	93	60-140	

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

LABORATORY CONTROL SAMPLE: 1775920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3,5-Trimethylbenzene	ug/L	50	47.7	95	60-140	
1,3-Dichlorobenzene	ug/L	50	49.6	99	60-140	
1,3-Dichloropropane	ug/L	50	44.9	90	60-140	
1,4-Dichlorobenzene	ug/L	50	48.6	97	60-140	
2,2-Dichloropropane	ug/L	50	51.6	103	60-140	
2-Chlorotoluene	ug/L	50	48.6	97	60-140	
4-Chlorotoluene	ug/L	50	47.9	96	60-140	
Benzene	ug/L	50	48.0	96	60-140	
Bromobenzene	ug/L	50	48.2	96	60-140	
Bromochloromethane	ug/L	50	53.9	108	60-140	
Bromodichloromethane	ug/L	50	48.9	98	60-140	
Bromoform	ug/L	50	46.2	92	60-140	
Bromomethane	ug/L	50	53.6	107	60-140	
Carbon tetrachloride	ug/L	50	48.6	97	60-140	
Chlorobenzene	ug/L	50	47.6	95	60-140	
Chloroethane	ug/L	50	50.6	101	60-140	
Chloroform	ug/L	50	51.2	102	60-140	
Chloromethane	ug/L	50	50.0	100	60-140	
cis-1,2-Dichloroethene	ug/L	50	52.5	105	60-140	
cis-1,3-Dichloropropene	ug/L	50	48.8	98	60-140	
Dibromochloromethane	ug/L	50	48.1	96	60-140	
Dibromomethane	ug/L	50	49.0	98	60-140	
Dichlorodifluoromethane	ug/L	50	60.5	121	60-140	
Diisopropyl ether	ug/L	50	52.0	104	60-140	
Ethylbenzene	ug/L	50	47.1	94	60-140	
Hexachloro-1,3-butadiene	ug/L	50	50.2	100	60-140	
Isopropylbenzene (Cumene)	ug/L	50	46.7	93	60-140	
m&p-Xylene	ug/L	100	93.6	94	60-140	
Methyl-tert-butyl ether	ug/L	50	53.3	107	60-140	
Methylene Chloride	ug/L	50	55.7	111	60-140	
n-Butylbenzene	ug/L	50	48.3	97	60-140	
n-Propylbenzene	ug/L	50	46.1	92	60-140	
Naphthalene	ug/L	50	47.6	95	60-140	
o-Xylene	ug/L	50	46.0	92	60-140	
sec-Butylbenzene	ug/L	50	47.0	94	60-140	
Styrene	ug/L	50	50.0	100	60-140	
tert-Butylbenzene	ug/L	50	38.5	77	60-140	
Tetrachloroethene	ug/L	50	43.5	87	60-140	
Toluene	ug/L	50	47.7	95	60-140	
trans-1,2-Dichloroethene	ug/L	50	52.0	104	60-140	
trans-1,3-Dichloropropene	ug/L	50	47.0	94	60-140	
Trichloroethene	ug/L	50	47.1	94	60-140	
Trichlorofluoromethane	ug/L	50	56.1	112	60-140	
Vinyl chloride	ug/L	50	50.8	102	60-140	
1,2-Dichloroethane-d4 (S)	%			110	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

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(704)875-9092

QUALITY CONTROL DATA

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1777284 1777285

Parameter	Units	92304192003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	21.2	21.0	106	105	60-140	1	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	23.5	23.2	117	116	60-140	1	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20.4	20.6	102	103	60-140	1	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	22.1	21.6	111	108	60-140	2	30	
1,1-Dichloroethane	ug/L	ND	20	20	22.7	22.3	113	111	60-140	2	30	
1,1-Dichloroethene	ug/L	ND	20	20	24.8	24.5	124	123	60-140	1	30	
1,1-Dichloropropene	ug/L	ND	20	20	22.3	22.2	112	111	60-140	1	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	22.1	21.9	111	110	60-140	1	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	21.4	21.7	107	108	60-140	1	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	21.9	21.3	109	107	60-140	2	30	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	22.0	21.9	110	109	60-140	1	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20.8	20.4	104	102	60-140	2	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	22.3	22.9	111	115	60-140	3	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	22.7	22.6	114	113	60-140	1	30	
1,2-Dichloroethane	ug/L	ND	20	20	21.8	21.4	108	106	60-140	2	30	
1,2-Dichloropropane	ug/L	ND	20	20	21.5	21.1	108	105	60-140	2	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	22.0	21.7	110	109	60-140	1	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	22.2	21.6	111	108	60-140	3	30	
1,3-Dichloropropane	ug/L	ND	20	20	20.2	20.3	101	101	60-140	1	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	21.7	21.5	109	107	60-140	1	30	
2,2-Dichloropropane	ug/L	ND	20	20	24.5	24.1	122	120	60-140	2	30	
2-Chlorotoluene	ug/L	ND	20	20	21.8	22.1	109	110	60-140	2	30	
4-Chlorotoluene	ug/L	ND	20	20	21.6	21.8	108	109	60-140	1	30	
Benzene	ug/L	ND	20	20	23.2	22.3	116	112	60-140	4	30	
Bromobenzene	ug/L	ND	20	20	23.2	23.6	116	118	60-140	2	30	
Bromochloromethane	ug/L	ND	20	20	23.1	22.8	116	114	60-140	2	30	
Bromodichloromethane	ug/L	ND	20	20	22.8	22.0	114	110	60-140	4	30	
Bromoform	ug/L	ND	20	20	19.9	19.8	100	99	60-140	1	30	
Bromomethane	ug/L	ND	20	20	19.0	20.7	95	104	60-140	8	30	
Carbon tetrachloride	ug/L	ND	20	20	24.7	24.0	123	120	60-140	3	30	
Chlorobenzene	ug/L	ND	20	20	22.3	22.3	111	111	60-140	0	30	
Chloroethane	ug/L	ND	20	20	23.2	23.7	116	118	60-140	2	30	
Chloroform	ug/L	ND	20	20	22.8	22.1	114	111	60-140	3	30	
Chloromethane	ug/L	ND	20	20	23.4	23.1	117	116	60-140	1	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	23.1	22.7	115	113	60-140	2	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	21.9	21.7	109	109	60-140	1	30	
Dibromochloromethane	ug/L	ND	20	20	21.1	21.5	106	107	60-140	1	30	
Dibromomethane	ug/L	ND	20	20	22.3	21.8	111	109	60-140	2	30	
Dichlorodifluoromethane	ug/L	ND	20	20	33.1	32.2	166	161	60-140	3	30	M1
Diisopropyl ether	ug/L	ND	20	20	22.8	21.8	114	109	60-140	4	30	
Ethylbenzene	ug/L	ND	20	20	22.0	22.3	110	111	60-140	1	30	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	23.2	22.5	116	113	60-140	3	30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	22.0	22.0	110	110	60-140	0	30	
m&p-Xylene	ug/L	ND	40	40	43.8	43.7	109	109	60-140	0	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	23.3	22.4	116	112	60-140	4	30	

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(704)875-9092

QUALITY CONTROL DATA

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1777284 1777285

Parameter	Units	92304192003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methylene Chloride	ug/L	ND	20	20	21.6	21.5	108	108	60-140	0	30	
n-Butylbenzene	ug/L	ND	20	20	23.1	22.7	115	113	60-140	2	30	
n-Propylbenzene	ug/L	ND	20	20	21.7	21.5	109	107	60-140	1	30	
Naphthalene	ug/L	ND	20	20	19.5	19.6	97	98	60-140	1	30	
o-Xylene	ug/L	ND	20	20	21.3	21.1	106	105	60-140	1	30	
sec-Butylbenzene	ug/L	ND	20	20	22.3	22.1	112	110	60-140	1	30	
Styrene	ug/L	ND	20	20	22.7	22.6	113	113	60-140	0	30	
tert-Butylbenzene	ug/L	ND	20	20	17.7	18.0	89	90	60-140	1	30	
Tetrachloroethene	ug/L	ND	20	20	20.2	20.4	101	102	60-140	1	30	
Toluene	ug/L	ND	20	20	22.8	22.0	114	110	60-140	4	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	23.7	23.0	118	115	60-140	3	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	21.0	20.6	105	103	60-140	2	30	
Trichloroethene	ug/L	ND	20	20	22.6	21.9	113	109	60-140	3	30	
Trichlorofluoromethane	ug/L	ND	20	20	27.6	27.0	138	135	60-140	2	30	
Vinyl chloride	ug/L	ND	20	20	24.4	24.0	122	120	60-140	2	30	
1,2-Dichloroethane-d4 (S)	%						103	101	70-130			
4-Bromofluorobenzene (S)	%						100	100	70-130			
Toluene-d8 (S)	%						102	100	70-130			

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QUALIFIERS

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BEACHVIEW EXXON
Pace Project No.: 92304192

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92304192001	**MW-1**	SM 6200B	320506		
92304192002	**MW-2**	SM 6200B	320506		
92304192003	**MW-3**	SM 6200B	320506		
92304192004	**MW-4**	SM 6200B	320506		
92304192005	**MW-5**	SM 6200B	320506		
92304192006	**MW-6**	SM 6200B	320506		
92304192007	**MW-7**	SM 6200B	320506		
92304192008	**MW-8**	SM 6200B	320506		
92304192009	**MW-9**	SM 6200B	320506		
92304192010	**MW-10**	SM 6200B	320506		
92304192011	**MW-11**	SM 6200B	320506		
92304192012	**MW-12**	SM 6200B	320506		
92304192013	**SW-1**	SM 6200B	320506		

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Pace Analytical®	Document Name: **Sample Condition Upon Receipt(SCUR)**	Document Revised:April 25, 2016 Page 1 of 2
	Document No.: **F-CHR-CS-003-rev.19**	Issuing Authority: Pace Huntersville Quality Office

Sample Condition Upon Receipt

Client Name: HNENGR

Project #: WO# : 92304192

92304192

Courier: ☑ Fed Ex ☑ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:_____

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☑ Yes ☐ No

Date/Initials Person Examining Contents: 7-7-16 KL

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other:_____

Thermometer: T1505 **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☑ Samples on ice, cooling process has begun

Correction Factor: 0.0°C **Cooler Temp Corrected (°C):** 2.6 **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8. Note if sediment is visible in the dissolved container
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☐ Yes	☑ No	☐ N/A	9. NO Date time ON vials sample SW1 says 4 vials but one vial Label says SW2
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	10. HNO3 pH<2 HCl pH<2 H2SO4 pH<2 NaOH pH>12 NaOH/ZnOAc pH>9
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC,LLHg	☐ Yes	☐ No	☑ N/A	
Samples checked for dechlorination?	☐ Yes	☐ No	☑ N/A	11.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	12.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	13.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased):_____				

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Sample Discrepancy: _____

Project Manager SCURF Review: JY **Date:** 7/7/16

Project Manager SRF Review: JY **Date:** 7/7/16

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

1901878

Section A Required Client Information:

Company:	H N ENG-R
Address:	
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Henry Nemargut
Copy To:	
Purchase Order No.:	
Project Name:	Beachview Exxon
Project Number:	2410 Arendell St

Section C Invoice Information:

Attention:	H Nemargut
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NC

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N): Analysis Test: 8200B

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	8200B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW1	W	G		7/6/16		1110		4				X					X		001
2	MW2						1130													002
3	MW3						1155													003
4	MW4						1220													004
5	MW5						1255													005
6	MW6						1320													006
7	MW7						1340													007
8	MW8						1405													008
9	MW9						1425													009
10	MW10						1445													010
11	MW11						1510													011
12	MW12						1530													012

92304192

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
S/H $100	Henry Nemargut	7/6	1745	J. Dixon / Pace	7/6	1745	
		2016					
	~~Fedex~~ J. Dixon HNE	7-6	1810	Fedex	7/6	1810	
				Kwood / pace	7-7-16	1000	2.6 Y N Y

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Henry Nemargut

SIGNATURE of SAMPLER: Henry Nemargut

DATE Signed (MM/DD/YY): 7/6/16

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

2055621

Section A Required Client Information:

Company: H N ENGR
Address:
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Henry Nemargut
Copy To:
Purchase Order No.:
Project Name: Beachview Exxon
Project Number: 2410 Arendell St

Section C Invoice Information:

Attention: H N ENGR
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☑ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NC

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): 6200B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SW1	W	G		7/6/16		1240		4				X					X		013
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Henry Nemargut	7/6 2016	1745	J. Dixon / Pace	7-6	1745				
	J. Dixon / HNE	7-6	1810	Fedex	7-6	1810				
				Received Pace Hill	7-7-16	~~1000~~ 1000	2.6	Y	N	Y

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Henry Nemargut

SIGNATURE of SAMPLER: Henry Nemargut

DATE Signed (MM/DD/YY): 7/6/16

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