Letter of Transmittal

S&ME, Inc.
9751 Southern Pine Boulevard
Charlotte, North Carolina 28273
704.523.4726
Fax: 704.525.3953

To: **Shirley Liggins, Admin. Asst.**

Firm: **NCDENR, DWM, Brownfields Program**

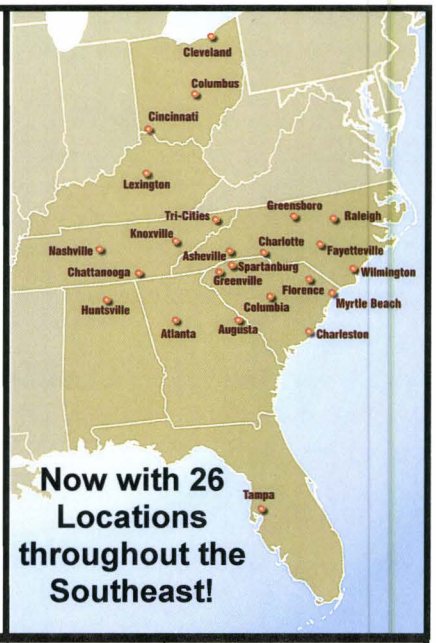
Location: **1646 Mail Service Center**
Raleigh, NC 27699-1646

From: **Al Quarles**

Date: **2/14/14**

Project: **Reeves Site**
Brownfield Agreement # 08022-04-06

FEB 2014
Brownfields



WE ARE SENDING YOU: ☒ Attached ☐ Under a Separate cover via: the Following Items:

☐ Maps ☐ Prints ☐ Plans ☐ Samples ☐ Invoice
☐ Copy of Letter ☒ Copy of Report ☐ Proposal ☐

COPIES	DATE	DESCRIPTION
1	2/14/14	**Annual Monitoring Report for 2014 Sampling**
1		**Land Use Restrictions ("LUR") Update**

THESE ARE TRANSMITTED AS CHECKED BELOW:

☐ For Your Approval ☐ For Review and Comment
☒ For Your Use ☐ For Bids Due:
☐ As Requested

Comments: **See attached Annual Monitoring Report and Land Use Restrictions Update**
For the referenced project.

Copies to: **Dennis Hayford, Polymers Center of Excellence; Carolyn Minnich (email)**

S&ME Project #: **4335-14-018**
S&ME Proposal #: **43-1400047**
Signed: Al Quarles

S&ME

IF ENCLOSURES ARE NOT AS NOTED, PLEASE NOTIFY US AT ONCE.
This Letter of Transmittal and the documents accompanying this Letter of Transmittal contain information from S&ME, Inc., which is confidential and legally privileged. The information is intended only for use of the individual or entity named on this Letter of Transmittal. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or the taking of any action in reliance on these documents is strictly prohibited.

FEB 2014
Brownfields

ANNUAL MONITORING REPORT (2014)
FORMER REEVES SITE
BROWNFIELDS SITE NO. 08022-04-60
8900 RESEARCH DRIVE
CHARLOTTE, MECKLENBURG CO, NC
S&ME PROJECT 4335-14-018

Prepared for:

Polymers Center of Excellence
8900 Research Drive
Charlotte, North Carolina 28104-6015

Prepared by:

S&ME, Inc.
9711 Southern Pine Boulevard
Charlotte, North Carolina 28273-5560

February 14, 2014

February 14, 2014

Polymers Center of Excellence
8900 Research Drive
Charlotte, NC 28104-6015

Attention: Mr. Dennis Hayford

Reference: **2014 Annual Monitoring Report**
Reeves Site (Brownfields Site No. 08022-04-60)
8900 Research Drive
Charlotte, Mecklenburg County, North Carolina
S&ME Project No. 4335-14-018

Dear Mr. Hayford:

S&ME, Inc. (S&ME) submits this monitoring report in accordance with S&ME's Proposal No. 14-1400047, dated January 15, 2014. The report provides the methods and results of our surface water and groundwater sampling associated with the referenced Brownfields project.

1. PROPERTY DESCRIPTION

The site is located at 8900 Research Drive in Charlotte, North Carolina and is listed as Tax Parcel No. 04714103 by the Mecklenburg County GIS system. The location of the site is illustrated on **Figure 1** (USGS Topographic Map) and **Figure 2** (County Topographic Map). A 2013 aerial of the site and surrounding properties is presented on **Figure 3** (County Aerial Map). We understand that a previous release of tetrachloroethene at the site has impacted the groundwater. In addition, we understand that the site is in the North Carolina Department of Environment and Natural Resources (NCDENR) Brownfields Program (Brownfield Project No. 08022-04-60). S&ME obtained an electronic copy (AutoCAD®) of the *Notice of Brownfields Property*, filed on June 21, 2005, from the surveyor (R.B. Pharr & Associates, P.A.). We understand that this notice remains recorded at the Mecklenburg County Register of Deeds. A copy of the "Unofficial Document" version of the *Exhibit "B" To The Notice of Brownfields Property – Survey Plat* obtained from the Mecklenburg County Register of Deeds website is included in **Appendix I**.

4. CLOSURE

S&ME appreciates the opportunity to be of service to you. If you have any questions regarding this report, please contact us at your convenience.

Sincerely,

S&ME, Inc.

Coleman S. Marchin
Environmental Staff Professional

Al Quarles, L.G.
Senior Hydrogeologist

c: Carolyn Minnich, NCDENR

CSM/waq S:\...\14-018 ReevesSite Rpt 2014.doc

Tables:
1 Summary of Field Parameters (January 24, 2014)
2 Summary of Water Sampling Results

Figures:
1 USGS Topographic Map
2 County Topographic Map
3 County Aerial Map
4 Groundwater Surface Map (January 24, 2014)
5 Tetrachloroethene Levels (January 24, 2014)

Appendices
I Exhibit B of the Filed Notice of Brownfields Property
II Field Sampling Logs
III Laboratory Reports

S&ME's services for this project were based on the *Annual Sampling Required by Land Use Restriction* letter, dated April 25, 2006 from Ms. Carolyn Minnich, NCDENR Brownfield Project Manager, requesting the sampling of surface water and groundwater in accordance with the Notice of Brownfields Property. The April 25, 2006 letter indicated that four monitoring wells (MW-5B, MW-5C, MW-6, and MW-7) and the adjacent stream are to be sampled annually and analyzed for volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) Method 8260 or equivalent. The locations of the monitor wells and stream sample locations are illustrated on **Figure 4** and **Figure 5**.

2. SCOPE OF SERVICES

2.1 Surface Water and Groundwater Sampling

On January 24, 2014, S&ME collected one upstream surface water sample (SW-U) and one downstream (SW-D) surface water sample at the approximate locations shown on **Figure 4**. The surface water samples were collected by dipping the sample containers directly into the stream pointing upstream with care not to allow sediment to enter the sample containers and not to allow overfilling to prevent the loss of any preservatives, if present. Sample containers with appropriate preservatives were provided by the laboratory.

On January 24, 2014, S&ME also collected groundwater samples from the following monitor wells: MW-5B, MW-5C, MW-6, and MW-7. Prior to sampling, the depth to water in each well was measured from the top of the well casing (TOC) and the monitor wells were purged of three to five well volumes (or until dry) using a disposable bailer. The samples were submitted to Pace Analytical Laboratories, Inc. (Pace) in Huntersville, North Carolina, a North Carolina-certified laboratory, for the analysis of VOCs by EPA Method 8260. In addition to the four monitor well samples, one duplicate sample of MW-6 (identified as DUP-1) was additionally analyzed for quality control purposes. Copies of the field sampling forms are included in **Appendix II**.

The purge water was contained in a secured and labeled 55-gallon drum that was stored on-site awaiting removal for off-site disposal. The drum of purge water will be disposed off-site by Haz~Mat Environmental in February 2014. S&ME will provide a copy of the waste manifest to the NCDENR, if requested by the NCDENR.

3. RESULTS

3.1 Groundwater Flow

The depth to water in the surficial aquifer ranged from 6.40 feet below the top of casing in monitor well MW-7 (a flush-mounted well), to 28.41 feet below the top of casing in the monitor well MW-5C. The January 24, 2014 groundwater levels were approximately

3.2 feet higher than the January 11, 2013 groundwater levels. Based on the top of casing elevations and the depth to water (**Table 1**), the groundwater flow is generally toward the east-southeast in the general direction of Doby Creek under a hydraulic gradient of approximately 0.038 ft/ft between monitoring wells MW-5B and MW-6, and approximately 0.0024 ft/ft between monitoring wells MW-6 and MW-7 (**Figure 4**). The vertical hydraulic gradient at nested monitoring wells MW-5B and MW-5C is approximately 0.009 ft/ft (**Table 1**).

3.2 Surface Water Quality

VOCs were not detected above laboratory reporting limits in the two surface water samples (SW-U and SW-D). The results are summarized in **Table 2**, and a copy of the laboratory report is included in **Appendix III**.

3.3 Groundwater Quality

No VOCs were detected above laboratory reporting limits in the groundwater samples from the downgradient monitor well MW-7. Tetrachloroethene was detected in monitoring wells MW-5B and MW-6 [5.2 and 14.0 micrograms per liter (µg/L), respectively] compared to the 15A NCAC 2L .0202 groundwater quality standard (2L Standard) of 0.7 µg/L. Tetrachloroethene was also detected in the deeper monitor well MW-5C [1.4 µg/L]. Chloroform was detected in MW-5C [1.0 µg/L] compared to the 2L Standard of 70 µg/L. The results are summarized in **Table 2**, and illustrated on Figure 5. A copy of the laboratory report and Chain-of-Custody form are included in **Appendix I**.

The 2014 concentration of tetrachloroethene was approximately 28% lower than the 2013 concentration in monitor well MW-6. The 2014 concentration of tetrachloroethene was approximately 68% lower than the 2012 concentration in monitor well MW-5 (not sampled in 2013).

Both sample MW-6 and its duplicate resulted in concentrations above the laboratory reporting limits for tetrachloroethene, with a relative percent difference of approximately 7%. No VOCs were detected in the trip blank. All of the laboratory internal quality controls were within acceptable limits.

A sample from the drummed purge water indicated a concentration of 3.1 µg/L of tetrachloroethene.

TABLES

Table 1
Summary of Field Parameters (January 24, 2014)
Former Reeves Property (Brownfields Project No. 08022-04-60)
8900 Research Drive
Charlotte, Mecklenburg Co., North Carolina
S&ME Project No. 4335-14-018

Parameter	Unit	Monitoring Well ID			
		MW-5B	MW-5C	MW-6	MW-7
Depth to Water	ft below TOC	28.29	28.41	9.50	6.40
TOC Elevation	ft above MSL	632.17	632.06	609.54	605.74
BOS Elevation	ft above MSL	599.85	571.77	591.04	589.54
Total Depth (measured)	ft below TOC	31.55	59.95	19.00	16.40
Water Column	feet	3.26	31.54	9.50	10.00
Water Level Elevation	ft above MSL	603.88	603.65	600.04	599.34
Mid Point-Sampling Interval	feet	601.87	575.27	NA	NA
Change in Water Level Elevation	feet	-0.23		NA	NA
Vertical Gradient	feet/feet	-0.009		NA	NA
Temperature	°C	12.39	11.08	12.73	12.3
pH	Standard Units	6.1	5.7	6.0	5.4
Conductivity	µS/cm	0.238	0.313	0.279	0.256

Notes:

ft : feet
TOC : Top of Casing of the well
MSL : Mean Sea Level
°C : Degrees Celcius
µS/cm: micro siemens per centimeter
NA - Not Applicable

Table 2
Summary of Water Sampling Results
Former Reeves Property (Brownfields Project No. 08022-04-60)
8900 Research Drive
Charlotte, Mecklenburg Co., North Carolina
S&ME Project No. 4335-14-018

Compound	Unit	Date	Well / Surface Water Sample ID							2L
			MW-5B	DUPLICATE	MW-5C	MW-6	MW-7	SW-U	SW-D	Standard
Tetrachloro-ethene	µg/L	05/04/04	**150**	**150**	**2.7**	**24**	**5.4**	---	---	0.7
		05/08/06	**50**	**71**	**1.2**	**15**	<0.16	<0.16	<0.16	
		08/09/07	**42.8**	**38.9**	**1**	**38.3**	<1.0	<1.0	<1.0	
		03/11/08	**92**	<1.0 (7)	<1.0	**38**	<1.0	<1.0	<1.0	
		01/29/09	**31.6**	**31.9**	<1.0	**27.8**	<1.0	<1.0	<1.0	
		02/24/10	**13.2**	**11.9**	<1.0	**25.9**	<1.0	<1.0	<1.0	
		01/20/11	**17.1**	<1.0 (5C)	**1.1**	**35.9**	<1.0	<1.0	<1.0	
		01/06/12	**16.1**	**14.6**	<1.0	**21.1**	<1.0	<1.0	<1.0	
		01/11/13	NS	<1.0 (5C)	<1.0	**19.3**	<1.0	<1.0	<1.0	
		01/24/14	**5.2**	**13.1 (6)**	**1.4**	**14.0**	<1.0	<1.0	<1.0	
Trichloro-ethene	µg/L	05/08/06	<0.26	<0.26	<0.26	**2.7**	<0.26	<0.26	<0.26	3
		08/09/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		03/11/08	<1.0	<1.0 (7)	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/29/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		02/24/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/20/11	<1.0	<1.0 (5C)	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/06/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/11/13	NS	<1.0 (5C)	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/24/14	<1.0	<1.0 (6)	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1,1-Trichloro-ethane	µg/L	05/08/06	**13**	**17**	<0.35	<0.35	<0.35	<0.35	<0.35	200
		08/09/07	**5.5**	**4.9**	<1.0	<1.0	<1.0	<1.0	<1.0	
		03/11/08	**6.9**	<1.0 (7)	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/29/09	**2.3**	**2.3**	<1.0	<1.0	<1.0	<1.0	<1.0	
		02/24/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/20/11	<1.0	<1.0 (5C)	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/06/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/11/13	NS	<1.0 (5C)	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/24/14	<1.0	<1.0 (6)	<1.0	<1.0	<1.0	<1.0	<1.0	
cis-1,2-Dichloro-ethene	µg/L	05/08/06	<0.33	<0.33	<0.33	1.2	<0.33	<0.33	<0.33	70
		08/09/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		03/11/08	<1.0	<1.0 (7)	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/29/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		02/24/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/20/11	<1.0	<1.0 (5C)	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/06/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/11/13	NS	<1.0 (5C)	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/24/14	<1.0	<1.0 (6)	<1.0	<1.0	<1.0	<1.0	<1.0	

Table 2
Summary of Water Sampling Results
Former Reeves Property (Brownfields Project No. 08022-04-60)
8900 Research Drive
Charlotte, Mecklenburg Co., North Carolina
S&ME Project No. 4335-14-018

Compound	Unit	Date	Well / Surface Water Sample ID							2L
			MW-5B	DUPLICATE	MW-5C	MW-6	MW-7	SW-U	SW-D	Standard
1,1-Dichloro-ethene	µg/L	05/08/06	**1.4**	**1.9**	<0.39	<0.39	<0.39	<0.39	<0.39	7
		08/09/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		03/11/08	**1.3**	<1.0 (7)	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/29/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		02/24/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/20/11	<1.0	<1.0 (5C)	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/06/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/11/13	NS	<1.0 (5C)	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/24/14	<1.0	<1.0 (6)	<1.0	<1.0	<1.0	<1.0	<1.0	
Chloroform	µg/L	05/04/04	---	---	**1.1**	---	---	---	---	70
		05/08/06	<0.29	<0.29	**1.1**	<0.29	<0.29	<0.29	<0.29	
		08/09/07	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	
		03/11/08	<1.0	<1.0 (7)	**1.0**	<1.0	<1.0	<1.0	<1.0	
		01/29/09	<1.0	<1.0	**1.0**	<1.0	<1.0	<1.0	<1.0	
		02/24/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/20/11	<1.0	**1.0** (5C)	**1.1**	<1.0	<1.0	<1.0	<1.0	
		01/06/12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/11/13	NS	<1.0 (5C)	<1.0	<1.0	<1.0	<1.0	<1.0	
		01/24/14	<1.0	<1.0 (6)	**1.0**	<1.0	<1.0	<1.0	<1.0	

Notes:

The May 4, 2004 data obtained from the Notice of Brownfields Property

Sample ID "Duplicate" is a duplicate of MW-5B, unless noted otherwise with the well # in parentheses (7) = (MW-7)

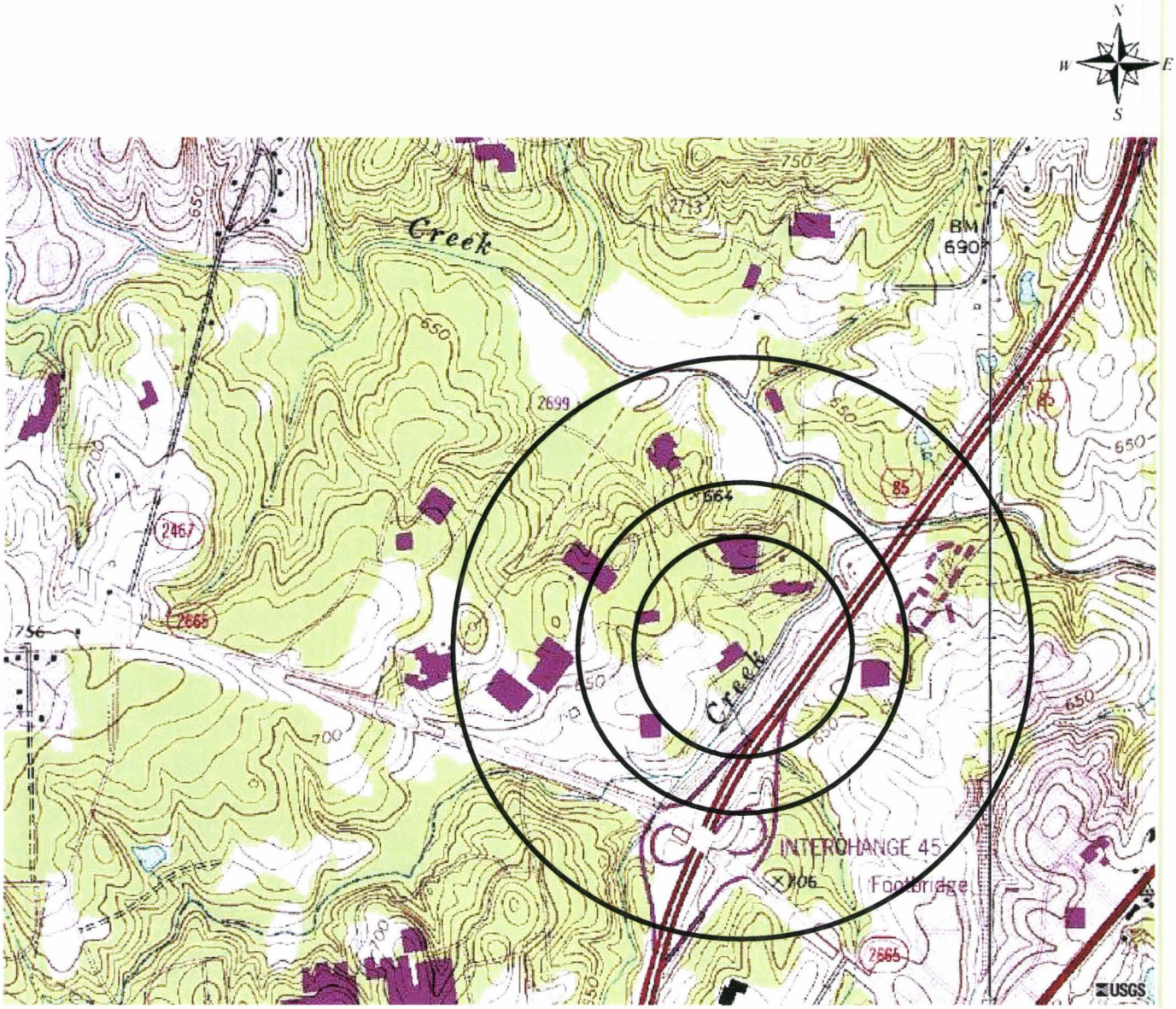
µg/L : micrograms per liter

2L Standard : 15A NCAC 2L .0202 Groundwater Quality Standard

NS : Not Sampled, insufficient water in well

Underlined values exceed 2L Standards

FIGURES



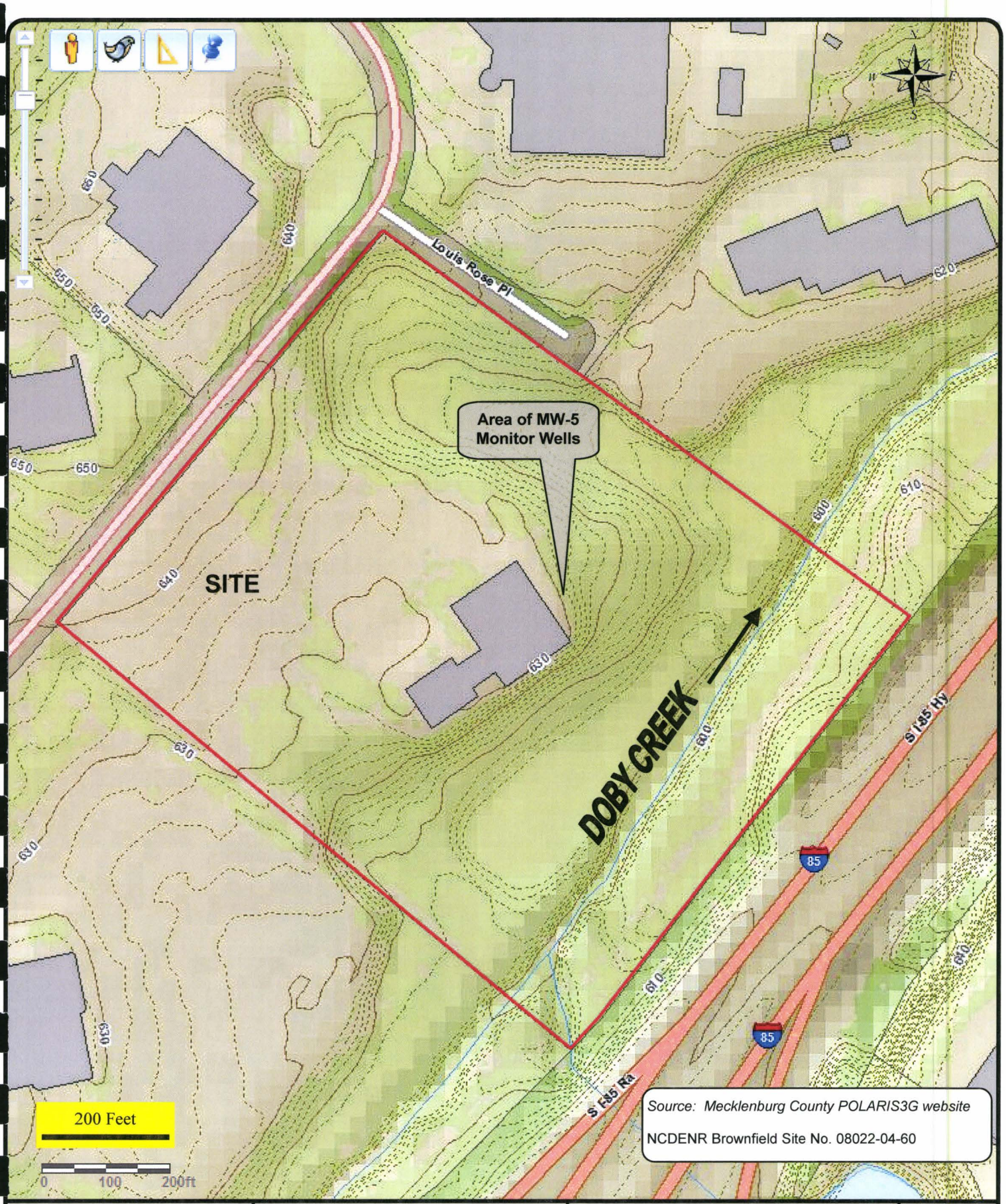
Source: USGS Topographic Map obtained from http://terraserver-usa.com

NCDENR Brownfield Site No. 08022-04-60

1,500 Feet

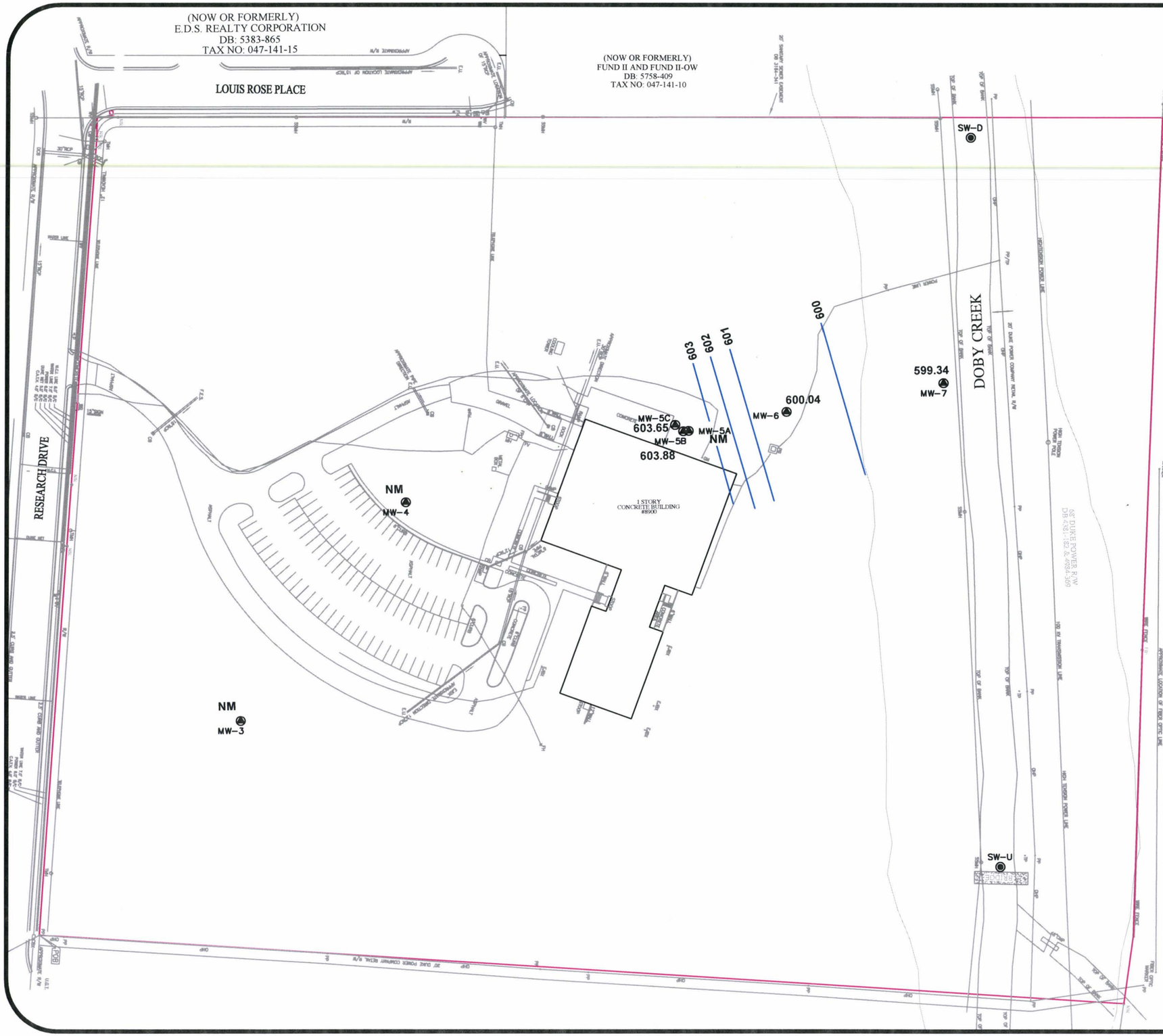
Circles are ~1000 ft, 1500 ft, and 1 mile radii centered near monitor wells MW-5A, MW-5B and MW-5C

Scale: As Shown	S&ME	**USGS TOPOGRAPHIC MAP** Reeves Site 8900 Research Drive Charlotte, North Carolina	**Figure**
Drawn by: CSM			**1**
Checked by: WAQ			
Date: 01-14-2014		S&ME Job No.: 4335-14-018	



Scale: As Shown	S&ME	**COUNTY TOPOGRAPHIC MAP** Reeves Site 8900 Research Drive Charlotte, North Carolina	**Figure**
Drawn by: CSM			**2**
Checked by: WAQ			
Date: 02-12-2014		S&ME Job No.: 4335-14-018	

Scale: As Shown	S&ME	**COUNTY AERIAL MAP** Reeves Site 8900 Research Drive Charlotte, North Carolina	**Figure**
Drawn by: CSM			**3**
Checked by: WAQ			
Date: 02-12-2014		S&ME Job No.: 4335-14-018	



LEGEND

- MONITOR WELL LOCATION
- SURFACE WATER SAMPLE LOCATION
- 603.88 GROUNDWATER ELEVATION (FT) ON JANUARY 24, 2014
- GROUNDWATER SURFACE CONTOUR
- NM NOT MEASURED

GRAPHIC SCALE

100 0 50 100 200

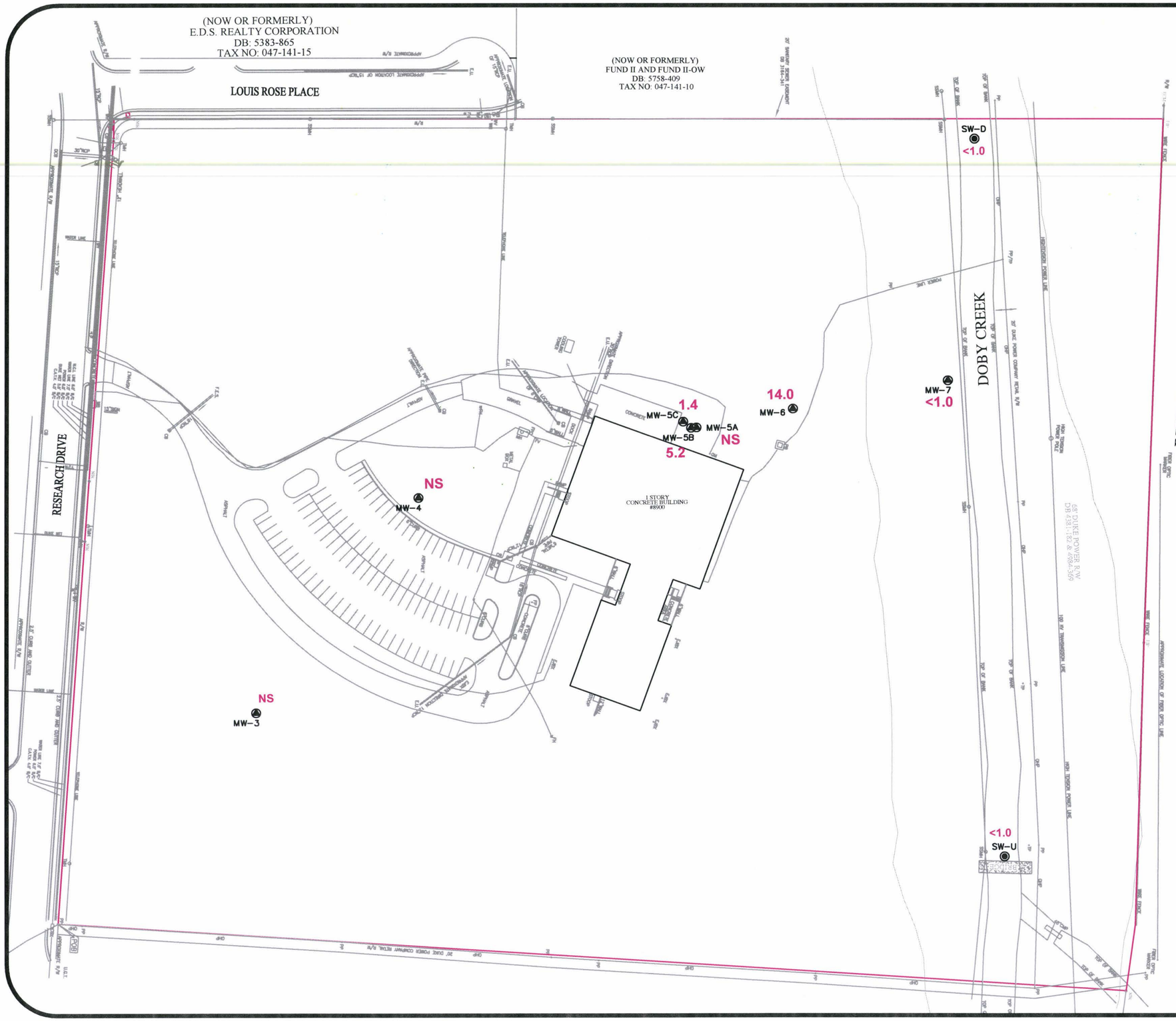
(IN FEET)

DATE: 02-14-2014
DRAWN BY: CSM
CHECKED BY:
SCALE: AS SHOWN
PROJECT NO. 4335-14-018

S&ME
WWW.SMEINC.COM

GROUNDWATER SURFACE MAP
REEVES SITE (BF# 08022-04-60)
8900 RESEARCH DRIVE
CHARLOTTE, NC

FIGURE NO.
4



LEGEND

- MONITOR WELL LOCATION
- SURFACE WATER SAMPLE LOCATION
- 14.0 TETRACHLOROETHENE LEVEL (µg/L) ON JANUARY 24, 2014
- NS NOT SAMPLED

GRAPHIC SCALE

100 0 50 100 200

(IN FEET)

DATE: 02-14-2014	
DRAWN BY: CSM	
CHECKED BY:	
SCALE: AS SHOWN	
PROJECT NO. 4335-14-018	

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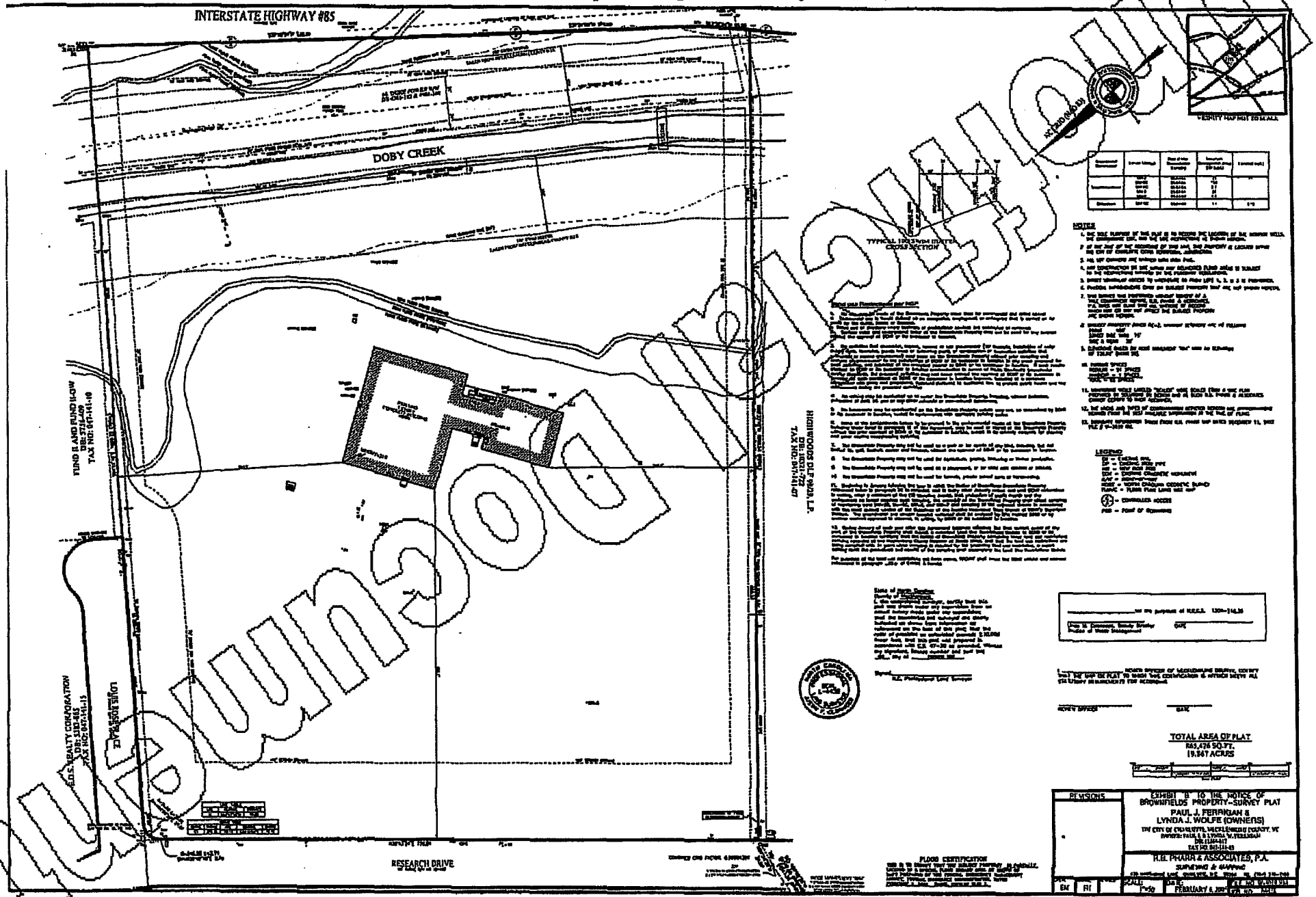
TETRACHLOROETHENE LEVELS
REEVES SITE (BF# 08022-04-60)
8900 RESEARCH DRIVE
CHARLOTTE, NC

FIGURE NO.
5

APPENDIX I

EXHIBIT B OF THE FILED NOTICE OF BROWNFIELDS PROPERTY

EXHIBIT B - Full-size version of plat map filed separately



APPENDIX II

FIELD SAMPLING LOGS

Project Name: REEVES BROWNFIELD
Project Location: CHARLOTTE NC
Project Number: 4335-14-018

S&ME

Well ID MW-5B

Sampling Personnel (1) Coleman Marchin (2)
Weather Conditions CLEAR 20'S
Unusual Site Conditions WOODED AREA

Water Level Data 2" well - 0.164 gal/ft, 4" well - 0.653 gal/ft, 6" well - 1.47 gal/ft
Measuring Point Location TOC
Depth to Water (ft) 28.29
Depth to Base of Well (ft) 31.55
Water Column (ft) 3.26
Well Volume 0.53 Gallons 3xV = 1.60 GAL
Purge Volume Gallons
Equipment Used to Measure Depths ELEC W/L METER

Well Purging Data
Date 1/24/14 Purging Equipment BAILER/TUBING

	Total Voume (Gal)	Time	pH	Temp (C/F)	Conductance	Turbitity
Initial	0	11 :15	7.2	12.39	0.436	CLEAR
	10	11 :20	6.4	11.45	0.221	CLEAR
	20	11 :25	6.3	11.66	0.167	CLEAR
Final	30	11 :30	6.1	11.92	0.238	CLEAR

Well Sampling Data
Sampling Date 1/24/14
Sampling Time 11 :30
Sampling Equipment BAILER/TUBING
Sample Observations NONE

Analytical Data

Method	Container Type and No.	Preservation
6200B	(3) 40 mL VOA	HCl

Comments SAMPLE TURBID/SILTY

Sampler Signatures (1) [signature]
(2)

Project Name: REEVES BROWNFIELD
Project Location: CHARLOTTE, NC
Project Number: 4335-14-018

S&ME

Well ID MW-5C

Sampling Personnel (1) Coleman Marchin (2)
Weather Conditions CLEAR 20's
Unusual Site Conditions WOODED AREA

Water Level Data ~~2" well~~ - 0.164 gal/ft, 4" well - 0.653 gal/ft, 6" well - 1.47 gal/ft

Measuring Point Location TOC
Depth to Water (ft) 28.41
Depth to Base of Well (ft) 59.95
Water Column (ft) 31.54
Equipment Used to Measure Depths ELEC W/L METER

Well Volume 5.14 Gallons x 3V = 15.5 Gal
Purge Volume Gallons

Well Purging Data
Date 1/24/14 Purging Equipment MINI TYPHOON

	Total Voume (Gal)	Time	pH	Temp (C/F)	Conductance	Turbitity
Initial	0	10:45	5.89	10.33	0.237	CLEAR
	1V	10:55	5.73	10.39	0.295	CLEAR
	2V	11:00	5.62	11.06	0.286	CLEAR
Final	3V	11:05	5.69	11.08	0.313	CLEAR

Well Sampling Data
Sampling Date 1/24/14
Sampling Time 11:05
Sampling Equipment BAILER/TWINE
Sample Observations NONE

Analytical Data

Method	Container Type and No.	Preservation
6200B	(2) 40 mL VOA	HCl

Comments

Sampler Signatures (1) [signature]
(2)

Project Name: REEVES BROWNFIELD
Project Location: CHARLOTTE, NC
Project Number: 4335-14-018

S&ME

Well ID MW-6

Sampling Personnel (1) Coleman Marchin (2)
Weather Conditions CLEAR 20's
Unusual Site Conditions WOODED AREA

Water Level Data ~~2" well~~ 0.164 gal/ft, 4" well - 0.653 gal/ft, 6" well - 1.47 gal/ft
Measuring Point Location TOC
Depth to Water (ft) 9.50
Depth to Base of Well (ft) 19.0
Water Column (ft) 9.50
Well Volume 1.54 Gallons 3V=4.65 gal
Purge Volume Gallons
Equipment Used to Measure Depths ELEC W/L METER

Well Purging Data
Date 1/24/14
Purging Equipment BAILER/TWINE

	Total Voume (Gal)	Time	pH	Temp (C/F)	Conductance	Turbitity
Initial	0	11:45	5.79	12.43	0.295	SILTY
	~~2V~~ 1V	11:50	5.83	12.63	0.273	SILTY
	2V	11:55	5.91	12.68	0.264	SILTY
Final	3V	12:00	5.96	12.73	0.279	SILTY

Well Sampling Data
Sampling Date 1/24/14
Sampling Time 12:00
Sampling Equipment BAILER/TWINE
Sample Observations SILTY

Analytical Data

Method	Container Type and No.	Preservation
6200B	(3) 40 mL VOA	HCl

Comments

Sampler Signatures (1) [signature]
(2)

Project Name: REEVES BROADWAY
Project Location: CHARLOTTE, NC
Project Number: 4335-14-012

S&ME

Well ID MW-7

Sampling Personnel (1) Coleman Marchin (2)
Weather Conditions CLEAR 20'S
Unusual Site Conditions WOODED AREA, FLUSH MOUNT WELL

Water Level Data (2" well) - 0.164 gal/ft, 4" well - 0.653 gal/ft, 6" well - 1.47 gal/ft

Measuring Point Location TOC
Depth to Water (ft) 6.40
Depth to Base of Well (ft) 16.40
Water Column (ft) 10.00
Equipment Used to Measure Depths ELEC. w/L METER

Well Volume 1.63 Gallons
Purge Volume Gallons

Well Purging Data

Date 1/24/15 Purging Equipment BAILER/TWINE

	Total Voume (Gal)	Time	pH	Temp (C/F)	Conductance	Turbitity
Initial	0	12:25	5.13	11.91	0.283	SLIGHT
	1V	~~12:30~~	5.16	12.33	0.261	SLIGHT
	2V	12:35	5.26	12.34	0.242	SLIGHT
Final	3V	12:40	5.36	12.34	0.256	SLIGHT

Well Sampling Data

Sampling Date 1/24/14
Sampling Time 12:40
Sampling Equipment BAILER/TWINE
Sample Observations

Analytical Data

Method	Container Type and No.	Preservation
6200B	(3) 40 mL VOA	HCl

Comments

Sampler Signatures (1) Coleman S. Marchin
(2)

Project Name: REEVES BROWNFIELD
Project Location: CHARLOTTE, NC
Project Number: 4835-14-018

S&ME

Surface Water Sample ID SW-D

Sampling Personnel (1) C. MARCHIN (2)
Weather Conditions CLEAR 20°
Unusual Site Conditions N/A

Sample Location Description
General description of surface water (i.e., color, flow, depth, etc.):
CLEAR, PARTIALLY FROZEN SLOW MOVING CREEK ~18 ft WIDE
* 1-2 ft DEEP. SAMPLE COLLECTED NEAR SURFACE
CREEK IDENTIFIED AS DOBY CREEK

Field Parameter Measurements

Time	pH	Temp (C/F)	Conductance
:			
:			
:			
:			

Sampling Data
Sampling Date 1/24/14
Sampling Time 1320
Sampling Equipment N/A
Sample Observations N/A

Analytical Data

Method	Container Type and No.	Preservation
6200B	(2) 40ml VOA	HCl

Comments

Sampler Signatures (1) [signature]
(2)

Project Name: REEVES BROWNFIELD
Project Location: CHARLOTTE, NC
Project Number: 4835-14-018

S&ME

Surface Water Sample ID ~~AA~~ SW-U

Sampling Personnel (1) C. MARCHIN (2)
Weather Conditions CLEAR 20's
Unusual Site Conditions N/A

Sample Location Description
General description of surface water (i.e., color, flow, depth, etc.):
PARTIALLY FROZEN CREEK (~15 ft WIDE X 2 ft DEEP)
CLEAR H2O, SLOW MOVING

Field Parameter Measurements

Time	pH	Temp (C/F)	Conductance
:			
:			
:			
:			

Sampling Data
Sampling Date 1/24/14
Sampling Time 13:20
Sampling Equipment GLASS JAR
Sample Observations N/A

Analytical Data

Method	Container Type and No.	Preservation
8260B	(3) 40ml VOA	HCl

Comments

Sampler Signatures (1) [signature]
(2)

APPENDIX III

LABORATORY REPORT AND CHAIN OF CUSTODY

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(704)875-9092

February 03, 2014

Mr. Al Quarles
S&ME, Inc.
9751 Southern Pine Blvd.
Charlotte, NC 28273

RE: Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Dear Mr. Quarles:
Enclosed are the analytical results for sample(s) received by the laboratory on January 27, 2014. 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,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
Project Manager

Enclosures

cc: Roger Smith, S&ME, Inc.

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

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
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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SAMPLE ANALYTE COUNT

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92187715001	**MW-5B**	EPA 8260	MCK	63	PASI-C
92187715002	**MW-5C**	EPA 8260	MCK	63	PASI-C
92187715003	**MW-6**	EPA 8260	MCK	63	PASI-C
92187715004	**MW-7**	EPA 8260	MCK	63	PASI-C
92187715005	**SW-D**	EPA 8260	MCK	63	PASI-C
92187715006	**SW-U**	EPA 8260	MCK	63	PASI-C
92187715007	**DUP-1**	EPA 8260	MCK	63	PASI-C
92187715008	**DRUM**	EPA 8260	MCK	63	PASI-C
92187715009	**TRIP BLANK**	EPA 8260	MCK	63	PASI-C

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SUMMARY OF DETECTION

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92187715001	**MW-5B**					
EPA 8260	Tetrachloroethene	5.2	ug/L	1.0	01/29/14 13:34	
92187715002	**MW-5C**					
EPA 8260	Chloroform	1.0	ug/L	1.0	01/29/14 13:50	
EPA 8260	Tetrachloroethene	1.4	ug/L	1.0	01/29/14 13:50	
92187715003	**MW-6**					
EPA 8260	Tetrachloroethene	14.0	ug/L	1.0	01/29/14 14:06	
92187715005	**SW-D**					
EPA 8260	Chloromethane	<1.0	ug/L	1.0	01/29/14 14:37	
92187715007	**DUP-1**					
EPA 8260	Tetrachloroethene	13.1	ug/L	1.0	01/29/14 15:09	
92187715008	**DRUM**					
EPA 8260	Chloroform	<1.0	ug/L	1.0	01/31/14 04:39	
EPA 8260	Tetrachloroethene	3.1	ug/L	1.0	01/31/14 04:39	
92187715009	**TRIP BLANK**					
EPA 8260	Chloromethane	<1.0	ug/L	1.0	01/29/14 11:59	
EPA 8260	Methylene Chloride	<2.0	ug/L	2.0	01/29/14 11:59	

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PROJECT NARRATIVE

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Method: **EPA 8260**
Description: 8260 MSV Low Level
Client: S&ME, Inc.
Date: February 03, 2014

General Information:
9 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: MSV/25658

S0: Surrogate recovery outside laboratory control limits.

- BLANK (Lab ID: 1130522)
  - 1,2-Dichloroethane-d4 (S)
  - 4-Bromofluorobenzene (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/25633

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 1129508)
  - Vinyl acetate

QC Batch: MSV/25658

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1130523)
  - Vinyl acetate

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Method: **EPA 8260**
Description: 8260 MSV Low Level
Client: S&ME, Inc.
Date: February 03, 2014

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: MW-5B **Lab ID: 92187715001** Collected: 01/24/14 11:30 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	**<25.0**	ug/L	25.0	1		01/29/14 13:34	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/29/14 13:34	75-25-2	
Bromomethane	**<2.0**	ug/L	2.0	1		01/29/14 13:34	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/29/14 13:34	78-93-3	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/29/14 13:34	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/29/14 13:34	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	1		01/29/14 13:34	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/29/14 13:34	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	74-95-3	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	1.0	1		01/29/14 13:34	108-20-3	
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		01/29/14 13:34	591-78-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	99-87-6	
Methylene Chloride	**<2.0**	ug/L	2.0	1		01/29/14 13:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/29/14 13:34	108-10-1	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		01/29/14 13:34	1634-04-4	
Naphthalene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	79-34-5	
Tetrachloroethene	**5.2**	ug/L	1.0	1		01/29/14 13:34	127-18-4	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: MW-5B **Lab ID: 92187715001** Collected: 01/24/14 11:30 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	87-61-6	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 13:34	96-18-4	
Vinyl acetate	**<2.0**	ug/L	2.0	1		01/29/14 13:34	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/29/14 13:34	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		01/29/14 13:34	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		01/29/14 13:34	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		01/29/14 13:34	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%	70-130	1		01/29/14 13:34	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		01/29/14 13:34	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		01/29/14 13:34	2037-26-5	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: MW-5C **Lab ID: 92187715002** Collected: 01/24/14 11:05 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	**<25.0**	ug/L	25.0	1		01/29/14 13:50	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/29/14 13:50	75-25-2	
Bromomethane	**<2.0**	ug/L	2.0	1		01/29/14 13:50	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/29/14 13:50	78-93-3	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/29/14 13:50	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	75-00-3	
Chloroform	**1.0**	ug/L	1.0	1		01/29/14 13:50	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	1		01/29/14 13:50	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/29/14 13:50	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	74-95-3	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	1.0	1		01/29/14 13:50	108-20-3	
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		01/29/14 13:50	591-78-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	99-87-6	
Methylene Chloride	**<2.0**	ug/L	2.0	1		01/29/14 13:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/29/14 13:50	108-10-1	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		01/29/14 13:50	1634-04-4	
Naphthalene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	79-34-5	
Tetrachloroethene	**1.4**	ug/L	1.0	1		01/29/14 13:50	127-18-4	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: MW-5C **Lab ID: 92187715002** Collected: 01/24/14 11:05 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	87-61-6	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 13:50	96-18-4	
Vinyl acetate	**<2.0**	ug/L	2.0	1		01/29/14 13:50	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/29/14 13:50	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		01/29/14 13:50	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		01/29/14 13:50	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		01/29/14 13:50	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	1		01/29/14 13:50	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		01/29/14 13:50	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		01/29/14 13:50	2037-26-5	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: MW-6 **Lab ID: 92187715003** Collected: 01/24/14 12:00 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	**<25.0**	ug/L	25.0	1		01/29/14 14:06	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/29/14 14:06	75-25-2	
Bromomethane	**<2.0**	ug/L	2.0	1		01/29/14 14:06	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/29/14 14:06	78-93-3	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/29/14 14:06	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/29/14 14:06	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	1		01/29/14 14:06	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/29/14 14:06	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	74-95-3	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	1.0	1		01/29/14 14:06	108-20-3	
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		01/29/14 14:06	591-78-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	99-87-6	
Methylene Chloride	**<2.0**	ug/L	2.0	1		01/29/14 14:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/29/14 14:06	108-10-1	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		01/29/14 14:06	1634-04-4	
Naphthalene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	79-34-5	
Tetrachloroethene	**14.0**	ug/L	1.0	1		01/29/14 14:06	127-18-4	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: MW-6 **Lab ID: 92187715003** Collected: 01/24/14 12:00 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	87-61-6	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:06	96-18-4	
Vinyl acetate	**<2.0**	ug/L	2.0	1		01/29/14 14:06	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/29/14 14:06	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		01/29/14 14:06	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		01/29/14 14:06	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		01/29/14 14:06	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		01/29/14 14:06	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		01/29/14 14:06	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		01/29/14 14:06	2037-26-5	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: MW-7 **Lab ID: 92187715004** Collected: 01/24/14 12:40 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	**<25.0**	ug/L	25.0	1		01/29/14 14:21	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/29/14 14:21	75-25-2	
Bromomethane	**<2.0**	ug/L	2.0	1		01/29/14 14:21	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/29/14 14:21	78-93-3	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/29/14 14:21	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/29/14 14:21	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	1		01/29/14 14:21	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/29/14 14:21	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	74-95-3	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	1.0	1		01/29/14 14:21	108-20-3	
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		01/29/14 14:21	591-78-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	99-87-6	
Methylene Chloride	**<2.0**	ug/L	2.0	1		01/29/14 14:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/29/14 14:21	108-10-1	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		01/29/14 14:21	1634-04-4	
Naphthalene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	127-18-4	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: MW-7 **Lab ID: 92187715004** Collected: 01/24/14 12:40 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	87-61-6	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:21	96-18-4	
Vinyl acetate	**<2.0**	ug/L	2.0	1		01/29/14 14:21	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/29/14 14:21	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		01/29/14 14:21	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		01/29/14 14:21	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		01/29/14 14:21	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		01/29/14 14:21	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		01/29/14 14:21	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		01/29/14 14:21	2037-26-5	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: SW-D **Lab ID: 92187715005** Collected: 01/24/14 13:00 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	**<25.0**	ug/L	25.0	1		01/29/14 14:37	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/29/14 14:37	75-25-2	
Bromomethane	**<2.0**	ug/L	2.0	1		01/29/14 14:37	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/29/14 14:37	78-93-3	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/29/14 14:37	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/29/14 14:37	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	1		01/29/14 14:37	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/29/14 14:37	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	74-95-3	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	1.0	1		01/29/14 14:37	108-20-3	
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		01/29/14 14:37	591-78-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	99-87-6	
Methylene Chloride	**<2.0**	ug/L	2.0	1		01/29/14 14:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/29/14 14:37	108-10-1	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		01/29/14 14:37	1634-04-4	
Naphthalene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	127-18-4	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: SW-D **Lab ID: 92187715005** Collected: 01/24/14 13:00 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	87-61-6	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:37	96-18-4	
Vinyl acetate	**<2.0**	ug/L	2.0	1		01/29/14 14:37	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/29/14 14:37	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		01/29/14 14:37	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		01/29/14 14:37	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		01/29/14 14:37	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		01/29/14 14:37	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130	1		01/29/14 14:37	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		01/29/14 14:37	2037-26-5	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: SW-U **Lab ID: 92187715006** Collected: 01/24/14 13:20 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	**<25.0**	ug/L	25.0	1		01/29/14 14:53	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/29/14 14:53	75-25-2	
Bromomethane	**<2.0**	ug/L	2.0	1		01/29/14 14:53	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/29/14 14:53	78-93-3	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/29/14 14:53	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/29/14 14:53	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	1		01/29/14 14:53	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/29/14 14:53	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	74-95-3	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	1.0	1		01/29/14 14:53	108-20-3	
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		01/29/14 14:53	591-78-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	99-87-6	
Methylene Chloride	**<2.0**	ug/L	2.0	1		01/29/14 14:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/29/14 14:53	108-10-1	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		01/29/14 14:53	1634-04-4	
Naphthalene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	127-18-4	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: SW-U **Lab ID: 92187715006** Collected: 01/24/14 13:20 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	87-61-6	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 14:53	96-18-4	
Vinyl acetate	**<2.0**	ug/L	2.0	1		01/29/14 14:53	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/29/14 14:53	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		01/29/14 14:53	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		01/29/14 14:53	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		01/29/14 14:53	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		01/29/14 14:53	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		01/29/14 14:53	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		01/29/14 14:53	2037-26-5	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: DUP-1 **Lab ID: 92187715007** Collected: 01/24/14 12:00 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	**<25.0**	ug/L	25.0	1		01/29/14 15:09	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/29/14 15:09	75-25-2	
Bromomethane	**<2.0**	ug/L	2.0	1		01/29/14 15:09	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/29/14 15:09	78-93-3	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/29/14 15:09	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/29/14 15:09	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	1		01/29/14 15:09	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/29/14 15:09	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	74-95-3	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	1.0	1		01/29/14 15:09	108-20-3	
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		01/29/14 15:09	591-78-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	99-87-6	
Methylene Chloride	**<2.0**	ug/L	2.0	1		01/29/14 15:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/29/14 15:09	108-10-1	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		01/29/14 15:09	1634-04-4	
Naphthalene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	79-34-5	
Tetrachloroethene	**13.1**	ug/L	1.0	1		01/29/14 15:09	127-18-4	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: DUP-1 **Lab ID: 92187715007** Collected: 01/24/14 12:00 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	87-61-6	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 15:09	96-18-4	
Vinyl acetate	**<2.0**	ug/L	2.0	1		01/29/14 15:09	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/29/14 15:09	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		01/29/14 15:09	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		01/29/14 15:09	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		01/29/14 15:09	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	1		01/29/14 15:09	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130	1		01/29/14 15:09	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		01/29/14 15:09	2037-26-5	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: DRUM **Lab ID: 92187715008** Collected: 01/24/14 14:50 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	**<25.0**	ug/L	25.0	1		01/31/14 04:39	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/31/14 04:39	75-25-2	
Bromomethane	**<2.0**	ug/L	2.0	1		01/31/14 04:39	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/31/14 04:39	78-93-3	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/31/14 04:39	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/31/14 04:39	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	1		01/31/14 04:39	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/31/14 04:39	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	74-95-3	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	1.0	1		01/31/14 04:39	108-20-3	
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		01/31/14 04:39	591-78-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	99-87-6	
Methylene Chloride	**<2.0**	ug/L	2.0	1		01/31/14 04:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/31/14 04:39	108-10-1	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		01/31/14 04:39	1634-04-4	
Naphthalene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	79-34-5	
Tetrachloroethene	**3.1**	ug/L	1.0	1		01/31/14 04:39	127-18-4	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: DRUM **Lab ID: 92187715008** Collected: 01/24/14 14:50 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	87-61-6	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		01/31/14 04:39	96-18-4	
Vinyl acetate	**<2.0**	ug/L	2.0	1		01/31/14 04:39	108-05-4	L3
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/31/14 04:39	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		01/31/14 04:39	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		01/31/14 04:39	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		01/31/14 04:39	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		01/31/14 04:39	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130	1		01/31/14 04:39	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		01/31/14 04:39	2037-26-5	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: TRIP BLANK **Lab ID: 92187715009** Collected: 01/24/14 00:00 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	**<25.0**	ug/L	25.0	1		01/29/14 11:59	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/29/14 11:59	75-25-2	
Bromomethane	**<2.0**	ug/L	2.0	1		01/29/14 11:59	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/29/14 11:59	78-93-3	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/29/14 11:59	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/29/14 11:59	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	1		01/29/14 11:59	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/29/14 11:59	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	74-95-3	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	1.0	1		01/29/14 11:59	108-20-3	
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		01/29/14 11:59	591-78-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	99-87-6	
Methylene Chloride	**<2.0**	ug/L	2.0	1		01/29/14 11:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/29/14 11:59	108-10-1	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		01/29/14 11:59	1634-04-4	
Naphthalene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	127-18-4	

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ANALYTICAL RESULTS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Sample: TRIP BLANK **Lab ID: 92187715009** Collected: 01/24/14 00:00 Received: 01/27/14 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	87-61-6	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		01/29/14 11:59	96-18-4	
Vinyl acetate	**<2.0**	ug/L	2.0	1		01/29/14 11:59	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/29/14 11:59	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		01/29/14 11:59	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	2.0	1		01/29/14 11:59	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		01/29/14 11:59	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		01/29/14 11:59	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		01/29/14 11:59	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		01/29/14 11:59	2037-26-5	

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QUALITY CONTROL DATA

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

QC Batch: MSV/25633 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92187715001, 92187715002, 92187715003, 92187715004, 92187715005, 92187715006, 92187715007, 92187715009

METHOD BLANK: 1129507 — Matrix: Water
Associated Lab Samples: 92187715001, 92187715002, 92187715003, 92187715004, 92187715005, 92187715006, 92187715007, 92187715009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	01/29/14 11:43	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/29/14 11:43	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/29/14 11:43	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/29/14 11:43	
1,1-Dichloroethane	ug/L	<1.0	1.0	01/29/14 11:43	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/29/14 11:43	
1,1-Dichloropropene	ug/L	<1.0	1.0	01/29/14 11:43	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	01/29/14 11:43	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	01/29/14 11:43	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	01/29/14 11:43	
1,2-Dibromo-3-chloropropane	ug/L	<5.0	5.0	01/29/14 11:43	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	01/29/14 11:43	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	01/29/14 11:43	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/29/14 11:43	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/29/14 11:43	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	01/29/14 11:43	
1,3-Dichloropropane	ug/L	<1.0	1.0	01/29/14 11:43	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	01/29/14 11:43	
2,2-Dichloropropane	ug/L	<1.0	1.0	01/29/14 11:43	
2-Butanone (MEK)	ug/L	<5.0	5.0	01/29/14 11:43	
2-Chlorotoluene	ug/L	<1.0	1.0	01/29/14 11:43	
2-Hexanone	ug/L	<5.0	5.0	01/29/14 11:43	
4-Chlorotoluene	ug/L	<1.0	1.0	01/29/14 11:43	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	01/29/14 11:43	
Acetone	ug/L	<25.0	25.0	01/29/14 11:43	
Benzene	ug/L	<1.0	1.0	01/29/14 11:43	
Bromobenzene	ug/L	<1.0	1.0	01/29/14 11:43	
Bromochloromethane	ug/L	<1.0	1.0	01/29/14 11:43	
Bromodichloromethane	ug/L	<1.0	1.0	01/29/14 11:43	
Bromoform	ug/L	<1.0	1.0	01/29/14 11:43	
Bromomethane	ug/L	<2.0	2.0	01/29/14 11:43	
Carbon tetrachloride	ug/L	<1.0	1.0	01/29/14 11:43	
Chlorobenzene	ug/L	<1.0	1.0	01/29/14 11:43	
Chloroethane	ug/L	<1.0	1.0	01/29/14 11:43	
Chloroform	ug/L	<1.0	1.0	01/29/14 11:43	
Chloromethane	ug/L	<1.0	1.0	01/29/14 11:43	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	01/29/14 11:43	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/29/14 11:43	
Dibromochloromethane	ug/L	<1.0	1.0	01/29/14 11:43	
Dibromomethane	ug/L	<1.0	1.0	01/29/14 11:43	
Dichlorodifluoromethane	ug/L	<1.0	1.0	01/29/14 11:43	

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QUALITY CONTROL DATA

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

METHOD BLANK: 1129507 Matrix: Water

Associated Lab Samples: 92187715001, 92187715002, 92187715003, 92187715004, 92187715005, 92187715006, 92187715007, 92187715009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.0	1.0	01/29/14 11:43	
Ethylbenzene	ug/L	<1.0	1.0	01/29/14 11:43	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	01/29/14 11:43	
m&p-Xylene	ug/L	<2.0	2.0	01/29/14 11:43	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	01/29/14 11:43	
Methylene Chloride	ug/L	<2.0	2.0	01/29/14 11:43	
Naphthalene	ug/L	<1.0	1.0	01/29/14 11:43	
o-Xylene	ug/L	<1.0	1.0	01/29/14 11:43	
p-Isopropyltoluene	ug/L	<1.0	1.0	01/29/14 11:43	
Styrene	ug/L	<1.0	1.0	01/29/14 11:43	
Tetrachloroethene	ug/L	<1.0	1.0	01/29/14 11:43	
Toluene	ug/L	<1.0	1.0	01/29/14 11:43	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	01/29/14 11:43	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/29/14 11:43	
Trichloroethene	ug/L	<1.0	1.0	01/29/14 11:43	
Trichlorofluoromethane	ug/L	<1.0	1.0	01/29/14 11:43	
Vinyl acetate	ug/L	<2.0	2.0	01/29/14 11:43	
Vinyl chloride	ug/L	<1.0	1.0	01/29/14 11:43	
Xylene (Total)	ug/L	<2.0	2.0	01/29/14 11:43	
1,2-Dichloroethane-d4 (S)	%	96	70-130	01/29/14 11:43	
4-Bromofluorobenzene (S)	%	99	70-130	01/29/14 11:43	
Toluene-d8 (S)	%	97	70-130	01/29/14 11:43	

LABORATORY CONTROL SAMPLE: 1129508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.4	101	70-130	
1,1,1-Trichloroethane	ug/L	50	47.5	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.4	103	70-130	
1,1,2-Trichloroethane	ug/L	50	49.6	99	70-130	
1,1-Dichloroethane	ug/L	50	46.6	93	70-130	
1,1-Dichloroethene	ug/L	50	47.5	95	70-132	
1,1-Dichloropropene	ug/L	50	49.2	98	70-130	
1,2,3-Trichlorobenzene	ug/L	50	52.8	106	70-135	
1,2,3-Trichloropropane	ug/L	50	50.8	102	70-130	
1,2,4-Trichlorobenzene	ug/L	50	51.0	102	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	52.1	104	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.2	102	70-130	
1,2-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,2-Dichloroethane	ug/L	50	47.3	95	70-130	
1,2-Dichloropropane	ug/L	50	49.5	99	70-130	
1,3-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,3-Dichloropropane	ug/L	50	49.6	99	70-130	
1,4-Dichlorobenzene	ug/L	50	50.5	101	70-130	

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QUALITY CONTROL DATA

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

LABORATORY CONTROL SAMPLE: 1129508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	50.0	100	58-145	
2-Butanone (MEK)	ug/L	100	93.0	93	70-145	
2-Chlorotoluene	ug/L	50	48.0	96	70-130	
2-Hexanone	ug/L	100	96.4	96	70-144	
4-Chlorotoluene	ug/L	50	50.9	102	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	97.6	98	70-140	
Acetone	ug/L	100	90.4	90	50-175	
Benzene	ug/L	50	49.7	99	70-130	
Bromobenzene	ug/L	50	50.5	101	70-130	
Bromochloromethane	ug/L	50	46.5	93	70-130	
Bromodichloromethane	ug/L	50	50.3	101	70-130	
Bromoform	ug/L	50	52.3	105	70-130	
Bromomethane	ug/L	50	48.1	96	54-130	
Carbon tetrachloride	ug/L	50	48.9	98	70-132	
Chlorobenzene	ug/L	50	48.8	98	70-130	
Chloroethane	ug/L	50	34.7	69	64-134	
Chloroform	ug/L	50	47.2	94	70-130	
Chloromethane	ug/L	50	43.8	88	64-130	
cis-1,2-Dichloroethene	ug/L	50	45.4	91	70-131	
cis-1,3-Dichloropropene	ug/L	50	49.9	100	70-130	
Dibromochloromethane	ug/L	50	51.0	102	70-130	
Dibromomethane	ug/L	50	50.4	101	70-131	
Dichlorodifluoromethane	ug/L	50	44.7	89	56-130	
Diisopropyl ether	ug/L	50	48.0	96	70-130	
Ethylbenzene	ug/L	50	47.8	96	70-130	
Hexachloro-1,3-butadiene	ug/L	50	54.3	109	70-130	
m&p-Xylene	ug/L	100	98.9	99	70-130	
Methyl-tert-butyl ether	ug/L	50	49.4	99	70-130	
Methylene Chloride	ug/L	50	44.2	88	63-130	
Naphthalene	ug/L	50	51.3	103	70-138	
o-Xylene	ug/L	50	48.6	97	70-130	
p-Isopropyltoluene	ug/L	50	52.8	106	70-130	
Styrene	ug/L	50	50.3	101	70-130	
Tetrachloroethene	ug/L	50	50.2	100	70-130	
Toluene	ug/L	50	48.6	97	70-130	
trans-1,2-Dichloroethene	ug/L	50	44.9	90	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.9	102	70-132	
Trichloroethene	ug/L	50	49.0	98	70-130	
Trichlorofluoromethane	ug/L	50	44.1	88	62-133	
Vinyl acetate	ug/L	100	190	190	66-157	F3,L3
Vinyl chloride	ug/L	50	46.6	93	69-130	
Xylene (Total)	ug/L	150	148	98	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1129509 1129510

Parameter	Units	92187923001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	41.6	41.0	83	82	70-166	1	
Benzene	ug/L	ND	50	50	52.4	51.7	105	103	70-148	1	
Chlorobenzene	ug/L	ND	50	50	54.0	53.5	108	107	70-146	1	
Toluene	ug/L	ND	50	50	51.2	50.7	102	101	70-155	1	
Trichloroethene	ug/L	ND	50	50	54.1	52.1	108	104	69-151	4	
1,2-Dichloroethane-d4 (S)	%						107	108	70-130		
4-Bromofluorobenzene (S)	%						95	95	70-130		
Toluene-d8 (S)	%						99	99	70-130		

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QUALITY CONTROL DATA

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

QC Batch: MSV/25658
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92187715008

METHOD BLANK: 1130522
Matrix: Water
Associated Lab Samples: 92187715008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	01/31/14 02:19	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/31/14 02:19	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/31/14 02:19	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/31/14 02:19	
1,1-Dichloroethane	ug/L	<1.0	1.0	01/31/14 02:19	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/31/14 02:19	
1,1-Dichloropropene	ug/L	<1.0	1.0	01/31/14 02:19	
1,2,3-Trichlorobenzene	ug/L	6.8	1.0	01/31/14 02:19	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	01/31/14 02:19	
1,2,4-Trichlorobenzene	ug/L	5.5	1.0	01/31/14 02:19	
1,2-Dibromo-3-chloropropane	ug/L	<5.0	5.0	01/31/14 02:19	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	01/31/14 02:19	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	01/31/14 02:19	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/31/14 02:19	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/31/14 02:19	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	01/31/14 02:19	
1,3-Dichloropropane	ug/L	<1.0	1.0	01/31/14 02:19	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	01/31/14 02:19	
2,2-Dichloropropane	ug/L	<1.0	1.0	01/31/14 02:19	
2-Butanone (MEK)	ug/L	<5.0	5.0	01/31/14 02:19	
2-Chlorotoluene	ug/L	<1.0	1.0	01/31/14 02:19	
2-Hexanone	ug/L	<5.0	5.0	01/31/14 02:19	
4-Chlorotoluene	ug/L	<1.0	1.0	01/31/14 02:19	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	01/31/14 02:19	
Acetone	ug/L	<25.0	25.0	01/31/14 02:19	
Benzene	ug/L	<1.0	1.0	01/31/14 02:19	
Bromobenzene	ug/L	<1.0	1.0	01/31/14 02:19	
Bromochloromethane	ug/L	<1.0	1.0	01/31/14 02:19	
Bromodichloromethane	ug/L	<1.0	1.0	01/31/14 02:19	
Bromoform	ug/L	<1.0	1.0	01/31/14 02:19	
Bromomethane	ug/L	<2.0	2.0	01/31/14 02:19	
Carbon tetrachloride	ug/L	<1.0	1.0	01/31/14 02:19	
Chlorobenzene	ug/L	<1.0	1.0	01/31/14 02:19	
Chloroethane	ug/L	<1.0	1.0	01/31/14 02:19	
Chloroform	ug/L	<1.0	1.0	01/31/14 02:19	
Chloromethane	ug/L	<1.0	1.0	01/31/14 02:19	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	01/31/14 02:19	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/31/14 02:19	
Dibromochloromethane	ug/L	<1.0	1.0	01/31/14 02:19	
Dibromomethane	ug/L	<1.0	1.0	01/31/14 02:19	
Dichlorodifluoromethane	ug/L	<1.0	1.0	01/31/14 02:19	
Diisopropyl ether	ug/L	<1.0	1.0	01/31/14 02:19	
Ethylbenzene	ug/L	<1.0	1.0	01/31/14 02:19	

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QUALITY CONTROL DATA

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

METHOD BLANK: 1130522 Matrix: Water
Associated Lab Samples: 92187715008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	01/31/14 02:19	
m&p-Xylene	ug/L	<2.0	2.0	01/31/14 02:19	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	01/31/14 02:19	
Methylene Chloride	ug/L	<2.0	2.0	01/31/14 02:19	
Naphthalene	ug/L	5.3	1.0	01/31/14 02:19	
o-Xylene	ug/L	<1.0	1.0	01/31/14 02:19	
p-Isopropyltoluene	ug/L	<1.0	1.0	01/31/14 02:19	
Styrene	ug/L	<1.0	1.0	01/31/14 02:19	
Tetrachloroethene	ug/L	<1.0	1.0	01/31/14 02:19	
Toluene	ug/L	<1.0	1.0	01/31/14 02:19	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	01/31/14 02:19	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/31/14 02:19	
Trichloroethene	ug/L	<1.0	1.0	01/31/14 02:19	
Trichlorofluoromethane	ug/L	<1.0	1.0	01/31/14 02:19	
Vinyl acetate	ug/L	<2.0	2.0	01/31/14 02:19	
Vinyl chloride	ug/L	<1.0	1.0	01/31/14 02:19	
Xylene (Total)	ug/L	<2.0	2.0	01/31/14 02:19	
1,2-Dichloroethane-d4 (S)	%	44	70-130	01/31/14 02:19	S0
4-Bromofluorobenzene (S)	%	37	70-130	01/31/14 02:19	S0
Toluene-d8 (S)	%	95	70-130	01/31/14 02:19	

LABORATORY CONTROL SAMPLE: 1130523

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.8	100	70-130	
1,1,1-Trichloroethane	ug/L	50	51.8	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.5	99	70-130	
1,1,2-Trichloroethane	ug/L	50	50.6	101	70-130	
1,1-Dichloroethane	ug/L	50	51.9	104	70-130	
1,1-Dichloroethene	ug/L	50	54.9	110	70-132	
1,1-Dichloropropene	ug/L	50	52.9	106	70-130	
1,2,3-Trichlorobenzene	ug/L	50	43.3	87	70-135	
1,2,3-Trichloropropane	ug/L	50	49.4	99	70-130	
1,2,4-Trichlorobenzene	ug/L	50	44.6	89	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	49.7	99	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.1	100	70-130	
1,2-Dichlorobenzene	ug/L	50	49.3	99	70-130	
1,2-Dichloroethane	ug/L	50	52.5	105	70-130	
1,2-Dichloropropane	ug/L	50	51.3	103	70-130	
1,3-Dichlorobenzene	ug/L	50	47.9	96	70-130	
1,3-Dichloropropane	ug/L	50	51.3	103	70-130	
1,4-Dichlorobenzene	ug/L	50	49.8	100	70-130	
2,2-Dichloropropane	ug/L	50	45.4	91	58-145	
2-Butanone (MEK)	ug/L	100	102	102	70-145	
2-Chlorotoluene	ug/L	50	49.4	99	70-130	

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QUALITY CONTROL DATA

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

LABORATORY CONTROL SAMPLE: 1130523

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	104	104	70-144	
4-Chlorotoluene	ug/L	50	51.5	103	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	106	106	70-140	
Acetone	ug/L	100	106	106	50-175	
Benzene	ug/L	50	51.7	103	70-130	
Bromobenzene	ug/L	50	51.6	103	70-130	
Bromochloromethane	ug/L	50	50.2	100	70-130	
Bromodichloromethane	ug/L	50	48.1	96	70-130	
Bromoform	ug/L	50	48.3	97	70-130	
Bromomethane	ug/L	50	50.8	102	54-130	
Carbon tetrachloride	ug/L	50	50.1	100	70-132	
Chlorobenzene	ug/L	50	49.5	99	70-130	
Chloroethane	ug/L	50	49.5	99	64-134	
Chloroform	ug/L	50	50.6	101	70-130	
Chloromethane	ug/L	50	52.7	105	64-130	
cis-1,2-Dichloroethene	ug/L	50	50.7	101	70-131	
cis-1,3-Dichloropropene	ug/L	50	49.1	98	70-130	
Dibromochloromethane	ug/L	50	48.8	98	70-130	
Dibromomethane	ug/L	50	46.8	94	70-131	
Dichlorodifluoromethane	ug/L	50	50.0	100	56-130	
Diisopropyl ether	ug/L	50	56.4	113	70-130	
Ethylbenzene	ug/L	50	49.2	98	70-130	
Hexachloro-1,3-butadiene	ug/L	50	46.0	92	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	53.7	107	70-130	
Methylene Chloride	ug/L	50	57.5	115	63-130	
Naphthalene	ug/L	50	44.5	89	70-138	
o-Xylene	ug/L	50	50.4	101	70-130	
p-Isopropyltoluene	ug/L	50	50.1	100	70-130	
Styrene	ug/L	50	50.8	102	70-130	
Tetrachloroethene	ug/L	50	48.5	97	70-130	
Toluene	ug/L	50	49.0	98	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.9	104	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.8	100	70-132	
Trichloroethene	ug/L	50	48.1	96	70-130	
Trichlorofluoromethane	ug/L	50	50.6	101	62-133	
Vinyl acetate	ug/L	100	175	175	66-157	L0
Vinyl chloride	ug/L	50	52.6	105	69-130	
Xylene (Total)	ug/L	150	152	101	70-130	
1,2-Dichloroethane-d4 (S)	%			109	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALIFIERS

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

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

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

F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
S0	Surrogate recovery outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: REEVES BROWNFIELD 4335-14-01B
Pace Project No.: 92187715

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92187715001	**MW-5B**	EPA 8260	MSV/25633		
92187715002	**MW-5C**	EPA 8260	MSV/25633		
92187715003	**MW-6**	EPA 8260	MSV/25633		
92187715004	**MW-7**	EPA 8260	MSV/25633		
92187715005	**SW-D**	EPA 8260	MSV/25633		
92187715006	**SW-U**	EPA 8260	MSV/25633		
92187715007	**DUP-1**	EPA 8260	MSV/25633		
92187715008	**DRUM**	EPA 8260	MSV/25658		
92187715009	**TRIP BLANK**	EPA 8260	MSV/25633		

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Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: December 16, 2013 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.13**	Issuing Authority: Pace Huntersville Quality Office

Client Name: S+ME

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ (Pace) Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1102 (T1301) **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 3.1 °C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: AWD 1/27/14

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix:_____		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	
Samples checked for dechlorination:	☐Yes ☑No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16. No Date or time for trip blank on COC or bottles
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: AMB **Date:** 1-27-14
SRF Review: AMB **Date:** 1-27-14

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)

WO#: 92187715
92187715

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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 1

1799322

Section A Required Client Information:

Company: S+ME
Address: 9751 SOUTHERN PINE BLVD
CHARLOTTE, NC
Email To: aquarles@smeinc.com
Phone: 704 523-4726 Fax:
Requested Due Date/TAT: STD

Section B Required Project Information:

Report To: AL QUARLES
Copy To:
Purchase Order No.: 59797
Project Name: REEVES BROWNFIELD
Project Number: 4335-14-01B

Section C Invoice Information:

Attention: BARBARA ELLINGTON
Company Name: S+ME
Address: SAME
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 898-14

REGULATORY AGENCY: ☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N): Y/N; Analysis Test: 8260B

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	Analysis Test 8260B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-5B	WT	G			1/24/14	1130		3				3					X		92147715001
2	MW-5C						1305		3				3					X		002
3	MW-6						1200		3				3					X		003
4	MW-7						1240		3				3					X		004
5	SW-D						1300		3				3					X		005
6	SW-U						1320		3				3					X		006
7	DUP-1						1200		3				3					X		007
8	DRUM						1410		3				3					X		008
9	TRIP BLANK			LAB SUPPLIED					2				2					X		009
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] 0850	1/27/14	11:58	[signature]	1-27-14	1158				
	[signature]	1-27-14	13:13	[signature] Pace	1/27/14	13:13	3.1	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: COLEMAN MARCHIN
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1/24/14

*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.