DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Kimberly Clark

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Michael Baldwin Phone: 828-697-4018

E-mail: mgbaldwi@kcc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Kimberly Clark, Berkeley Mills	32 Smyth Avenue, Hendersonville, NC 28792	45-02	.0500	March 6-8, 2013

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☐ Surface water monitoring data
☒ Methane gas monitoring data
☐ Corrective action data (specify)
☐ Other(specify)

Notification attached?

☒ No. No groundwater or surface water standards were exceeded.
☐ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

John Bruce — Mill Manager — (828) 697-4021

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

John W. Bruce — 4-29-2013

Signature — Date

Affix NC Licensed/ Professional Geologist Seal

Kimberly Clark, 32 Smyth Ave., Hendersonville NC, 28792

Facility Representative Address

Not Applicable

NC PE Firm License Number (if applicable effective May 1, 2009)

Brian Hall 4/15/13

Revised 6/2009

KIMBERLY-CLARK SOUTH LANDFILL
LANDFILL GAS MONITORING REPORT

Permit Numbers:_____ **Date:** 3-6-13

I. GENERAL INFORMATION:

Monitoring Conducted By: Mark Swan
Monitoring Equipment: LANTEC 2000
Equipment Calibrated By: GEOTECH
Date of Calibration: 3-13

II. CLIMATIC/PHYSICAL CONDITIONS:

Weather Conditions: Very Cold Windy, Flurries Windy
Temperature (°F): 30°C
Barometric Pressure: 27.82 Uncorrected to Sea Level
Relative Humidity: 69%
Soil Conditions: Very moist

III. SURVEY OF SITE VEGETATION:

A survey of site vegetation was conducted and vegetated areas were noted/not noted as being stressed or impacted as a result of the presence or migration of landfill gas.

Comments: Winter Dormant ~~no~~
No Stress Noted

IV. SAMPLING INFORMATION:

Well I.D.	Monitoring Results	CO_2 %
GMW-1	%Methane by Volume: 00.0 %	CO_2 - 0.6 %
1350	% Oxygen by Volume: 21.9 %	
	*Alarm Level Condition: Safe	
	Depth to Water (ft): 4.65	~~CO 0.2 %~~
GMW-2	%Methane by Volume: 00.0 %	
1340	% Oxygen by Volume: 22.0 %	CO_2 - 0.2 %
	Alarm Level Condition: SAFE	
	Depth to Water (ft): 11.87	
GMW-3	% Methane by Volume: 00.0	
1330	% Oxygen by Volume: 22.1%	CO_2 0.1 %
	Alarm Level Condition: SAFE	
	Depth to Water (ft): 18.14	
GMW-4	% Methane by Volume: 00.0 %	
1250	% Oxygen by Volume: 22.3%	CO_2 - 0.1 %
	Alarm Level Condition:	
	Depth to Water (ft):	
GMW-5	% Methane by Volume: 00.0	
1300	% Oxygen by Volume: 22.1%	CO_2 - 0.3 %
	Alarm Level Condition: Safe	
	Depth to Water (ft): 3.45	
MW-2S	% Methane by Volume: 00.0	
1200	% Oxygen by Volume: 21.4	CO_2 - 0.1 %
	Alarm Level Condition: SAFE	
	Depth to Water (ft): 4.04	
MW-3S	% Methane by Volume: 00.0 %	
	% Oxygen by Volume: 20.0 %	CO_2 - 2.0 %
	Alarm Level Condition: Safe	
	Depth to Water (ft): 4.65	

CO_2

MW-4S

1310

% Methane by Volume: 00.1%

% Oxygen by Volume: 20.9

Alarm Level Condition: SAFE

Depth to Water (ft): 3.55

CO_2 - 2.0%

MW-5S

1320

% Methane by Volume: 00.0

% Oxygen by Volume: 21.2

Alarm Level Condition: SAFE

Depth to Water (ft): 3.26

CO_2 - 1.1%

*Alarm Level Conditions: Safe, Caution, Peril, Explosive. At property boundary Safe 0-2%; Caution 2-3%; Peril 4-5% and >15%; Explosive 5-15%.

Certificate

I certify that the established concentration of landfill gas detected during this monitoring/sampling event does not exceed 25 percent of the lower explosive limit (LEL) for landfill gas in facility structures The landfill gas concentration does not exceed the LEL for landfill gas at the property boundary, except as noted below.

(Signature)

3-6-13
(Date)

Noted exceptions: _____

KIMBERLY-CLARK SOUTH LANDFILL
FIELD SURVEY OF MONITORING WELL INTEGRITY

Permit Numbers: _____

Date: 3-7-13 **Well Number:** MW-15

I. WELL & SITE INSPECTION SUMMARY

	YES	NO	N/A
1. Location/Identification:			
a. Is the well visible?	✓		
b. Is the well properly identified with the well ID?	✓		
c. Are there protective posts?	✓		
d. Is the well accessible?	✓		
e. Is the drainage around the well acceptable?	✓		
f. Is the area around the well free from chemical interferences?	✓		
2. Protective Casing:			
a. Is the protective casing free of apparent damage?	✓		
b. Does the lock and cover effectively prevent tampering?	✓		
c. Was the well locked?	✓		
d. Is the lock in good condition?	✓		
e. Is the casing free of degradation or deterioration?	✓		
3. Surface Seal:			
a. Is the seal in good condition?		✓	
b. Is the seal sloped away from the protective casing?	✓		
c. Is the seal snug against the protective casing and ground?	✓		
d. Is the surface seal free of erosion undermining?	✓		
e. Is the seal free of evidence of frost heaving?			✓
f. Is the seal free of evidence of subsidence?			✓
4. Internal Casing (Stickup):			
a. Is the annular space clear of debris and water?		✓	
b. Is the casing at least 1' above the ground?	✓		
c. Does the cap prevent entry of foreign material into the well?		✓	
d. Is the casing free of kinks or bends?	✓		
e. Is the dedicated sampling equipment in good condition?			✓
f. Is the well properly vented for equilibration of air pressure?			✓

5. Actions taken to correct deficiencies (if applicable): _____

6. Comments: Surface Seal Cracked

KIMBERLY-CLARK SOUTH LANDFILL
FIELD SURVEY OF MONITORING WELL INTEGRITY

Permit Numbers: _____

Date: 3-7-13 **Well Number:** MW-13

II. RECHARGE INFORMATION:

	YES	NO	N/A
a. Does well recharge enough to purge 3 well volumes?	✓	✗	
b. Does the water level change significantly after purging?			
c. What is the approximate purge rate?	5 gal 10 min		
d. If well purges dry, what is the approximate recharge rate?			✓

III. SAMPLING INFORMATION:

Sampled By: MD

Total Depth (feet): 23.60

Depth to Water (feet): 13.19

Water Column Height (feet): _____

Casing Diameter (inches): 2"

Well Volume (gallons): _____

[2" well: water column height x 0.17 gallons/foot]
[4" well: water column height x 0.66 gallons/foot]
[6" well: water column height x 1.5 gallons/foot]

3 Well Volumes (gallons): 5.5 gal

Date	Time	Gallons Purged	pH	Specific Cond. (mS/cm)	~~DO~~ Temp	Comments
3-7-13	1205	0	5.7	242.0	11.2	TUR CLEAR
3-7	1222	~~3.0~~ 2.5	5.5	248.0	12.0	MUDDY
3-8-13	1200	5.5	5.4	234.0	12.8	clear TURB - 0.76
~~3-8-~~						NO DOC

KIMBERLY-CLARK SOUTH LANDFILL
FIELD SURVEY OF MONITORING WELL INTEGRITY

Permit Numbers: _____

Date: 3-7-13 **Well Number:** MW-2S

I. WELL & SITE INSPECTION SUMMARY

	YES	NO	N/A
1. Location/Identification:			
a. Is the well visible?	✓		
b. Is the well properly identified with the well ID?	✓		
c. Are there protective posts?	✓		
d. Is the well accessible?	✓		
e. Is the drainage around the well acceptable?	✓		
f. Is the area around the well free from chemical interferences?	✓		
2. Protective Casing:			
a. Is the protective casing free of apparent damage?	✓		
b. Does the lock and cover effectively prevent tampering?		✓	
c. Was the well locked?	✓		
d. Is the lock in good condition?	✓		
e. Is the casing free of degradation or deterioration?	✓		
3. Surface Seal:			
a. Is the seal in good condition?		✓	
b. Is the seal sloped away from the protective casing?			✓
c. Is the seal snug against the protective casing and ground?			✓
d. Is the surface seal free of erosion undermining?		✓	✓
e. Is the seal free of evidence of frost heaving?		✓	
f. Is the seal free of evidence of subsidence?			✓
4. Internal Casing (Stickup):			
a. Is the annular space clear of debris and water?		✓	
b. Is the casing at least 1' above the ground?	✓		
c. Does the cap prevent entry of foreign material into the well?	✓		
d. Is the casing free of kinks or bends?	✓		
e. Is the dedicated sampling equipment in good condition?	✓		
f. Is the well properly vented for equilibration of air pressure?			✓

5. Actions taken to correct deficiencies (if applicable): _____

6. Comments: SURFACE SEAL BROKEN

KIMBERLY-CLARK SOUTH LANDFILL
FIELD SURVEY OF MONITORING WELL INTEGRITY

Permit Numbers: _____

Date: 3-7-13 **Well Number:** MW-25

II. RECHARGE INFORMATION:

	YES	NO	N/A
a. Does well recharge enough to purge 3 well volumes?			
b. Does the water level change significantly after purging?		✓	
c. What is the approximate purge rate?	5 gal	10 min	
d. If well purges dry, what is the approximate recharge rate?	~~5 gal/10 min~~		OVERNIGHT

III. SAMPLING INFORMATION:

Sampled By: MCS

Total Depth (feet): ~~40~~ 43.50

Depth to Water (feet): 3.49

Water Column Height (feet): _____

Casing Diameter (inches): 2"

Well Volume (gallons): _____

[2" well: water column height x 0.17 gallons/foot]
[4" well: water column height x 0.66 gallons/foot]
[6" well: water column height x 1.5 gallons/foot]

3 Well Volumes (gallons): _____

Date	Time	Gallons Purged	pH	Specific Cond. (mS/cm)	DO	Comments	
					Temp	~~Temp~~ Turb	Comments
3-7-13	1120	0	6.3	947	5.5	~~Gray~~	CLEAR
3-7	1129	4	6.3	87.5	11.9		CLEAR
3-7	1147	10.25	6.2	85.6	12.7		CLOUDY DRY @ 10.25
3-8	1100		6.1	87.3	9.3	TURB. 11.2	CLEAR NO ODOR

KIMBERLY-CLARK SOUTH LANDFILL
FIELD SURVEY OF MONITORING WELL INTEGRITY

Permit Numbers: _____

Date: 3-7-11 **Well Number:** 35

I. WELL & SITE INSPECTION SUMMARY

	YES	NO	N/A
1. Location/Identification:			
a. Is the well visible?	✓		
b. Is the well properly identified with the well ID?	✓		
c. Are there protective posts?	✓		
d. Is the well accessible?	✓		
e. Is the drainage around the well acceptable?	✓		
f. Is the area around the well free from chemical interferences?	✓		
2. Protective Casing:			
a. Is the protective casing free of apparent damage?	✓		
b. Does the lock and cover effectively prevent tampering?	✓		
c. Was the well locked?	✓		
d. Is the lock in good condition?	✓		
e. Is the casing free of degradation or deterioration?	✓		
3. Surface Seal:			
a. Is the seal in good condition?	✓		
b. Is the seal sloped away from the protective casing?			✓
c. Is the seal snug against the protective casing and ground?	✓		
d. Is the surface seal free of erosion undermining?	✓		
e. Is the seal free of evidence of frost heaving?	✓		
f. Is the seal free of evidence of subsidence?	✓		
4. Internal Casing (Stickup):			
a. Is the annular space clear of debris and water?		✓	
b. Is the casing at least 1' above the ground?	✓		
c. Does the cap prevent entry of foreign material into the well?		✓	
d. Is the casing free of kinks or bends?	✓		
e. Is the dedicated sampling equipment in good condition?			✓
f. Is the well properly vented for equilibration of air pressure?		✓	

5. Actions taken to correct deficiencies (if applicable): _____

6. Comments: SURFACE SEAL CRACKED
Long Lock Loop ALLOWS CAP to be Opened

KIMBERLY-CLARK SOUTH LANDFILL
FIELD SURVEY OF MONITORING WELL INTEGRITY

Permit Numbers: _____

Date: 3-2-13 **Well Number:** MW-33

II. RECHARGE INFORMATION:

	YES	NO	N/A
a. Does well recharge enough to purge 3 well volumes?		✓	
b. Does the water level change significantly after purging?	✓		
c. What is the approximate purge rate?	1gal 2min		
d. If well purges dry, what is the approximate recharge rate?	~~1gal 1min~~		OVERNIGHT

III. SAMPLING INFORMATION:

Sampled By: MCJ

Total Depth (feet): 14.00

Depth to Water (feet): 5.49

Water Column Height (feet): _____

Casing Diameter (inches): 2"

Well Volume (gallons): _____

[2" well: water column height x 0.17 gallons/foot]
[4" well: water column height x 0.66 gallons/foot]
[6" well: water column height x 1.5 gallons/foot]

3 Well Volumes (gallons): _____

Date	Time	Gallons Purged	pH	Specific Cond. (mS/cm)	~~DO~~ Temp	Comments TURB	
3-2-13	1148	0	5.3	167.3	9.2		CLOUDY
	1155	~~2.5~~ 2.5	5.5	164.7	11.4		CLOUDY DRY AT 2.75
3-3-	~~1145~~ 1115		5.4	183.6	10.5	2.75	CLEAR
3-3-13							

KIMBERLY-CLARK SOUTH LANDFILL
FIELD SURVEY OF MONITORING WELL INTEGRITY

Permit Numbers: _____

Date: 3-7-13 **Well Number:** MW-43

I. WELL & SITE INSPECTION SUMMARY

	YES	NO	N/A
1. Location/Identification:			
a. Is the well visible?	✓		
b. Is the well properly identified with the well ID?	✓		
c. Are there protective posts?	✓		
d. Is the well accessible?	✓		
e. Is the drainage around the well acceptable?	✓		
f. Is the area around the well free from chemical interferences?	✓		
2. Protective Casing:			
a. Is the protective casing free of apparent damage?	✓		
b. Does the lock and cover effectively prevent tampering?		✓	
c. Was the well locked?	✓		
d. Is the lock in good condition?	✓		
e. Is the casing free of degradation or deterioration?	✓		
3. Surface Seal:			
a. Is the seal in good condition?			✓
b. Is the seal sloped away from the protective casing?			✓
c. Is the seal snug against the protective casing and ground?			✓
d. Is the surface seal free of erosion undermining?			✓
e. Is the seal free of evidence of frost heaving?			✓
f. Is the seal free of evidence of subsidence?			✓
4. Internal Casing (Stickup):			
a. Is the annular space clear of debris and water?		✓	
b. Is the casing at least 1' above the ground?	✓		
c. Does the cap prevent entry of foreign material into the well?		✓	
d. Is the casing free of kinks or bends?			
e. Is the dedicated sampling equipment in good condition?			✓
f. Is the well properly vented for equilibration of air pressure?			✓

5. Actions taken to correct deficiencies (if applicable): _____

6. Comments: LONG LOCK LOOP ALLOWS CAP to be opened

KIMBERLY-CLARK SOUTH LANDFILL
FIELD SURVEY OF MONITORING WELL INTEGRITY

Permit Numbers: _____

Date: 3-7-13 **Well Number:** MW-43

II. RECHARGE INFORMATION:

	YES	NO	N/A
a. Does well recharge enough to purge 3 well volumes?		✓	
b. Does the water level change significantly after purging?	✓		
c. What is the approximate purge rate?	2 GAL	2 MIN	
d. If well purges dry, what is the approximate recharge rate?	OVER NIGHT		

III. SAMPLING INFORMATION:

Sampled By: MB

Total Depth (feet): 13.80

Depth to Water (feet): 3.59

Water Column Height (feet): _____

Casing Diameter (inches): 2"

Well Volume (gallons): _____

[2" well: water column height x 0.17 gallons/foot]
[4" well: water column height x 0.66 gallons/foot]
[6" well: water column height x 1.5 gallons/foot]

3 Well Volumes (gallons): _____

Date	Time	Gallons Purged	pH	Specific Cond. (mS/cm)	~~DO~~ TMP	Comments
3-7-13	1315	0	6.2	611	7.7	CLEAR OR ODOR Rust Chunks
3-7	1322	DRY 2.25	6.2	612	10.2	MUDDY OR ODOR Rust Chunks
3-8-13	1230		6.3	~~342.9~~ mS	8.5	CLEAR OR ODOR TMP - 3.65
				571		

KIMBERLY-CLARK SOUTH LANDFILL
FIELD SURVEY OF MONITORING WELL INTEGRITY

Permit Numbers: _____

Date: 3-5-13 **Well Number:** MW-5

I. WELL & SITE INSPECTION SUMMARY

	YES	NO	N/A
1. Location/Identification:			
a. Is the well visible?	✓		
b. Is the well properly identified with the well ID?	✓		
c. Are there protective posts?	✓		
d. Is the well accessible?	✓		
e. Is the drainage around the well acceptable?	✓		
f. Is the area around the well free from chemical interferences?	✓		
2. Protective Casing:			
a. Is the protective casing free of apparent damage?	✓		
b. Does the lock and cover effectively prevent tampering?	✓	✗	
c. Was the well locked?	✓		
d. Is the lock in good condition?	✓		
e. Is the casing free of degradation or deterioration?	✓		
3. Surface Seal:			
a. Is the seal in good condition?			✓
b. Is the seal sloped away from the protective casing?			✓
c. Is the seal snug against the protective casing and ground?			✓
d. Is the surface seal free of erosion undermining?			✓
e. Is the seal free of evidence of frost heaving?			✓
f. Is the seal free of evidence of subsidence?			✓
4. Internal Casing (Stickup):			
a. Is the annular space clear of debris and water?		✓	
b. Is the casing at least 1' above the ground?	✓		
c. Does the cap prevent entry of foreign material into the well?	✓		
d. Is the casing free of kinks or bends?	✓		
e. Is the dedicated sampling equipment in good condition?			✓
f. Is the well properly vented for equilibration of air pressure?			✓

5. Actions taken to correct deficiencies (if applicable): _____

6. Comments: NO SURFACE SEAL

KIMBERLY-CLARK SOUTH LANDFILL
FIELD SURVEY OF MONITORING WELL INTEGRITY

Permit Numbers: _____

Date: 3-7-13 Well Number: MW-53 55

II. RECHARGE INFORMATION:

	YES	NO	N/A
a. Does well recharge enough to purge 3 well volumes?	✓		
b. Does the water level change significantly after purging?		✓	
c. What is the approximate purge rate?	Smal 10 min		
d. If well purges dry, what is the approximate recharge rate?	~~Fast~~	Over Night	

III. SAMPLING INFORMATION:

Sampled By: MD

Total Depth (feet): 13.7

Depth to Water (feet): 3.42

Water Column Height (feet): _____

Casing Diameter (inches): 2"

Well Volume (gallons): _____

[2" well: water column height x 0.17 gallons/foot]
[4" well: water column height x 0.66 gallons/foot]
[6" well: water column height x 1.5 gallons/foot]

3 Well Volumes (gallons): _____

Date	Time	Gallons Purged	pH	Specific Cond. (mS/cm)	~~DO~~ Tro	Comments
3-7-13	1335	0	6.2	153.0	7.0	Clear Rusty Chunks Oak odor
37	1345	2.5	6.0	145	8.8	Rusty Muddy . Oak odor
3-8-13		5.5	5.9	148	8.4	Clear Oak odor Turb. 0.37

KIMBERLY-CLARK SOUTH LANDFILL
FIELD SURVEY OF MONITORING WELL INTEGRITY

Permit Numbers: _____

Date: 3-7-13 **Well Number:** MW-65

I. WELL & SITE INSPECTION SUMMARY

	YES	NO	N/A
1. Location/Identification:			
a. Is the well visible?	✓		
b. Is the well properly identified with the well ID?	✓		
c. Are there protective posts?	✓		
d. Is the well accessible?	✓		
e. Is the drainage around the well acceptable?	✓		
f. Is the area around the well free from chemical interferences?	✓		
2. Protective Casing:			
a. Is the protective casing free of apparent damage?	✓		
b. Does the lock and cover effectively prevent tampering?	✓		
c. Was the well locked?	✓		
d. Is the lock in good condition?	✓		
e. Is the casing free of degradation or deterioration?	✓		
3. Surface Seal:			
a. Is the seal in good condition?	✓		
b. Is the seal sloped away from the protective casing?	✓		
c. Is the seal snug against the protective casing and ground?	✓		
d. Is the surface seal free of erosion undermining?	✓		
e. Is the seal free of evidence of frost heaving?	✓		
f. Is the seal free of evidence of subsidence?	✓		
4. Internal Casing (Stickup):			
a. Is the annular space clear of debris and water?			
b. Is the casing at least 1' above the ground?	✓		
c. Does the cap prevent entry of foreign material into the well?	✓		
d. Is the casing free of kinks or bends?	✓		
e. Is the dedicated sampling equipment in good condition?			✓
f. Is the well properly vented for equilibration of air pressure?			✓

5. Actions taken to correct deficiencies (if applicable): _____

6. Comments: _____

KIMBERLY-CLARK SOUTH LANDFILL
FIELD SURVEY OF MONITORING WELL INTEGRITY

65

Permit Numbers: _____

Date: 3-7-13 **Well Number:** MW-6S

II. RECHARGE INFORMATION:

	YES	NO	N/A
a. Does well recharge enough to purge 3 well volumes?	—		
b. Does the water level change significantly after purging?			
c. What is the approximate purge rate?	5 gal/50 min		
d. If well purges dry, what is the approximate recharge rate?	OVERNIGHT		

III. SAMPLING INFORMATION:

Sampled By: MCS

Total Depth (feet): 77.58

Depth to Water (feet): 7.27

Water Column Height (feet): _____

Casing Diameter (inches): 2"

Well Volume (gallons): _____

[2" well: water column height x 0.17 gallons/foot]
[4" well: water column height x 0.66 gallons/foot]
[6" well: water column height x 1.5 gallons/foot]

3 Well Volumes (gallons): 35.15

Date	Time	Gallons Purged	pH	Specific Cond. (mS/cm)	DO Temp	Comments
3-7-13	1455	0	9.97	128.0	11.6	Clear bubbles
3-7	1515	18	9.77	109.3	11.4	Clear
		28				Turn
						Dry @ 28 gal
3-8-13	1215		~~7.6~~	~~72~~		Clear ~~Turb~~
	1215		7.6	~~45.6~~ 72	8.5	Muddy Turb 2.95

KIMBERLY-CLARK SOUTH LANDFILL
FIELD SURVEY OF MONITORING WELL INTEGRITY

Permit Numbers: _____

Date: 3-7-13 **Well Number:** MW-73

I. WELL & SITE INSPECTION SUMMARY

	YES	NO	N/A
1. Location/Identification:			
a. Is the well visible?	✓		
b. Is the well properly identified with the well ID?	✓		
c. Are there protective posts?		✓	
d. Is the well accessible?	✓		
e. Is the drainage around the well acceptable?	✓		
f. Is the area around the well free from chemical interferences?	✓		
2. Protective Casing:			
a. Is the protective casing free of apparent damage?	✓		
b. Does the lock and cover effectively prevent tampering?	✓		
c. Was the well locked?	✓		
d. Is the lock in good condition?	✓		
e. Is the casing free of degradation or deterioration?	✓		
3. Surface Seal:			
a. Is the seal in good condition?	✓		
b. Is the seal sloped away from the protective casing?	✓		
c. Is the seal snug against the protective casing and ground?	✓		
d. Is the surface seal free of erosion undermining?	✓		
e. Is the seal free of evidence of frost heaving?	✓		
f. Is the seal free of evidence of subsidence?	✓		
4. Internal Casing (Stickup):			
a. Is the annular space clear of debris and water?		✓	
b. Is the casing at least 1' above the ground?	✓		
c. Does the cap prevent entry of foreign material into the well?	✓		
d. Is the casing free of kinks or bends?	✓		
e. Is the dedicated sampling equipment in good condition?			✓
f. Is the well properly vented for equilibration of air pressure?			✓

5. Actions taken to correct deficiencies (if applicable): _____

6. Comments: _____

KIMBERLY-CLARK SOUTH LANDFILL
FIELD SURVEY OF MONITORING WELL INTEGRITY

Permit Numbers: _____

Date: 3-7-13 **Well Number:** MW-71

II. RECHARGE INFORMATION:

	YES	NO	N/A
a. Does well recharge enough to purge 3 well volumes?	✓		
b. Does the water level change significantly after purging?		✓	
c. What is the approximate purge rate?	5 gpm	3.5 min	
d. If well purges dry, what is the approximate recharge rate?			✓

III. SAMPLING INFORMATION:

Sampled By: MCS

Total Depth (feet): 70.00

Depth to Water (feet): 4.88

Water Column Height (feet): _____

Casing Diameter (inches): 2"

Well Volume (gallons): _____

[2" well: water column height x 0.17 gallons/foot]
[4" well: water column height x 0.66 gallons/foot]
[6" well: water column height x 1.5 gallons/foot]

3 Well Volumes (gallons): 33

Date	Time	Gallons Purged	pH	Specific Cond. (mS/cm)	~~DO~~ Turb	Comments
~~3-7-13~~	1400	0	6.7	88.7	11.2	CLEAR
3-7	1419	21	6.5	119.7	12.5	CLEAR NO ODOR
3-8-13	1200	35	6.5	~~72.0~~ 120	8.9	CLEAR NO ODOR TURB 0.74

geotech
Calibrated at Geotech's N Carolina service center
2517 Noblin Road, Suite 103
Raleigh, NC 27604
(800) 293-5325 *Fax:* (919) 878-1269

Gem 2000+ Calibration Certificate

Unit Number: 2076 Factory Calibration Date: 7/14/2011 Field Calibration Date: 3/4/2013 09:43 AM

Serial Number: GM090971 Technician: Jason Blackburn

- ☑ Cleaned Unit and Case
- ☑ Visually inspect for damage and missing parts
- ☑ Manual is in case.

Battery charge	100 %	**Pass**
Pump flow	400 ml/min	**Pass**

Zero

Gas Zered	Zero	Reading	Variance		Zero Gas	Lot #	Exp. Date	
CH_4	0 %	0 %	0.00%	**Pass**	Ambient Air	Not Applicable		
CO_2	0 %	0.1 %	0.10%	**Pass**	Ambient Air	Not Applicable		
CO	0 ppm	0 ppm	0.00%	**Pass**	Ambient Air	Not Applicable		
H_2S	0 ppm	0 ppm	0.00%	**Pass**	Ambient Air	Not Applicable		
O_2	0 %	0 %	0.00%	**Pass**	Gem Gas	LTC142-MD-CM	3/15	**Pass**

Span

Gas Spaned	Span	Reading	Variance		Calibration Gas	Lot #	Exp. Date	
CH_4	15 %	15 %	0.00%	**Pass**	Gem Gas	LTC142-MD-CM	3/15	**Pass**
CO_2	15 %	14.8 %	-1.33%	**Pass**	Gem Gas	LTC142-MD-CM	3/15	**Pass**
CO	50 ppm	51 ppm	2.00%	**Pass**	4 Gas	LTC122-MD-CM	3/13	**Pass**
H_2S	10 ppm	10 ppm	0.00%	**Pass**	4 Gas	LTC122-MD-CM	3/13	**Pass**
O_2	20.9 %	20.5 %	-1.91%	**Pass**	Ambient Air	Not Applicable		

Geotech Environmental Equipment, Inc. takes pride in ensuring this instrument is tested to function as specified by the manufacturer and was calibrated in accordance to manufacturer specifications. All calibration standards used are NIST traceable. With the provided lot numbers we can provide NIST documents on request. Call us at (800) 833-7958 and we will be glad to help.

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(704)875-9092

March 14, 2013

Mr. Michael Baldwin
Kimberly Clark
Berkeley Mill
32 Smyth Avenue
Hendersonville, NC 28792

RE: Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Dear Mr. Baldwin:
Enclosed are the analytical results for sample(s) received by the laboratory on March 08, 2013. 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,

Jane Meehan

jane.meehan@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

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: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92150599001	**MW-1S**	EPA 8260	MCK	64	PASI-C
92150599004	**MW-4S**	EPA 8260	MCK	64	PASI-C
92150599005	**MW-5S**	EPA 8260	MCK	64	PASI-C
92150599006	**MW-6S**	EPA 8260	MCK	64	PASI-C
92150599007	**MW-7S**	EPA 8260	MCK	64	PASI-C
92150599008	**TVL BLK**	EPA 8260	MCK	64	PASI-C

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ANALYTICAL RESULTS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Sample: MW-1S **Lab ID: 92150599001** Collected: 03/08/13 11:30 Received: 03/08/13 15:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		03/11/13 10:55		
Collected Date	**03/08/13**			1		03/11/13 10:55		
Collected Time	**11:30**			1		03/11/13 10:55		
Field pH	**5.4**	Std. Units	0.10	1		03/11/13 10:55		
Field Temperature	**12.8**	deg C	0.50	1		03/11/13 10:55		
Static Water Level	**13.19**	feet		1		03/11/13 10:55		
Field Specific Conductance	**234**	umhos/cm	1.0	1		03/11/13 10:55		
Turbidity	**0.76**	NTU	1.0	1		03/11/13 10:55		
Odor	**Clear, No Odor**			1		03/11/13 10:55		
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/11/13 15:45	67-64-1	
Benzene	ND	ug/L	1.0	1		03/11/13 15:45	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		03/11/13 15:45	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		03/11/13 15:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/11/13 15:45	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/11/13 15:45	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/11/13 15:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/11/13 15:45	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		03/11/13 15:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/11/13 15:45	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/11/13 15:45	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/11/13 15:45	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/11/13 15:45	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		03/11/13 15:45	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		03/11/13 15:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		03/11/13 15:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/11/13 15:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/11/13 15:45	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/11/13 15:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 15:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 15:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 15:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		03/11/13 15:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/11/13 15:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/11/13 15:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/11/13 15:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/11/13 15:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/11/13 15:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/11/13 15:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/11/13 15:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		03/11/13 15:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		03/11/13 15:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/11/13 15:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/11/13 15:45	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		03/11/13 15:45	108-20-3	

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ANALYTICAL RESULTS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Sample: MW-1S **Lab ID: 92150599001** Collected: 03/08/13 11:30 Received: 03/08/13 15:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Ethylbenzene	ND	ug/L	1.0	1		03/11/13 15:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		03/11/13 15:45	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		03/11/13 15:45	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		03/11/13 15:45	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		03/11/13 15:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/11/13 15:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/11/13 15:45	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		03/11/13 15:45	91-20-3	
Styrene	ND	ug/L	1.0	1		03/11/13 15:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/11/13 15:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/11/13 15:45	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/11/13 15:45	127-18-4	
Toluene	ND	ug/L	1.0	1		03/11/13 15:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		03/11/13 15:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		03/11/13 15:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/11/13 15:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/11/13 15:45	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/11/13 15:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/11/13 15:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/11/13 15:45	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/11/13 15:45	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/11/13 15:45	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/11/13 15:45	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/11/13 15:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/11/13 15:45	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	108	%	70-130	1		03/11/13 15:45	460-00-4	
Dibromofluoromethane (S)	96	%	70-130	1		03/11/13 15:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		03/11/13 15:45	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		03/11/13 15:45	2037-26-5	

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ANALYTICAL RESULTS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Sample: MW-2S **Lab ID: 92150599002** Collected: 03/08/13 11:00 Received: 03/08/13 15:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		03/11/13 10:57		
Collected Date	**03/08/13**			1		03/11/13 10:57		
Collected Time	**11:00**			1		03/11/13 10:57		
Field pH	**6.1**	Std. Units	0.10	1		03/11/13 10:57		
Field Temperature	**9.8**	deg C	0.50	1		03/11/13 10:57		
Static Water Level	**3.49**	feet		1		03/11/13 10:57		
Field Specific Conductance	**87**	umhos/cm	1.0	1		03/11/13 10:57		
Turbidity	**11.2**	NTU	1.0	1		03/11/13 10:57		
Odor	**Clear, No Odor**			1		03/11/13 10:57		

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ANALYTICAL RESULTS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Sample: MW-3S **Lab ID: 92150599003** Collected: 03/08/13 11:15 Received: 03/08/13 15:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		03/11/13 10:58		
Collected Date	**03/08/13**			1		03/11/13 10:58		
Collected Time	**11:25**			1		03/11/13 10:58		
Field pH	**5.4**	Std. Units	0.10	1		03/11/13 10:58		
Field Temperature	**10.3**	deg C	0.50	1		03/11/13 10:58		
Static Water Level	**5.49**	feet		1		03/11/13 10:58		
Field Specific Conductance	**184**	umhos/cm	1.0	1		03/11/13 10:58		
Turbidity	**2.75**	NTU	1.0	1		03/11/13 10:58		
Odor	**Clear, No Odor**			1		03/11/13 10:58		

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ANALYTICAL RESULTS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Sample: MW-4S **Lab ID: 92150599004** Collected: 03/08/13 12:30 Received: 03/08/13 15:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		03/11/13 10:59		
Collected Date	**03/08/13**			1		03/11/13 10:59		
Collected Time	**12:30**			1		03/11/13 10:59		
Field pH	**6.3**	Std. Units	0.10	1		03/11/13 10:59		
Field Temperature	**8.5**	deg C	0.50	1		03/11/13 10:59		
Static Water Level	**3.59**	feet		1		03/11/13 10:59		
Field Specific Conductance	**571**	umhos/cm	1.0	1		03/11/13 10:59		
Turbidity	**3.65**	NTU	1.0	1		03/11/13 10:59		
Appearance	**Clear, Org. Odor**			1		03/11/13 10:59		
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/11/13 16:01	67-64-1	
Benzene	**0.56I**	ug/L	1.0	1		03/11/13 16:01	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		03/11/13 16:01	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		03/11/13 16:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/11/13 16:01	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/11/13 16:01	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/11/13 16:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/11/13 16:01	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		03/11/13 16:01	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/11/13 16:01	108-90-7	
Chloroethane	**1.9**	ug/L	1.0	1		03/11/13 16:01	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/11/13 16:01	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/11/13 16:01	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		03/11/13 16:01	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		03/11/13 16:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		03/11/13 16:01	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/11/13 16:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/11/13 16:01	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/11/13 16:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		03/11/13 16:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/11/13 16:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/11/13 16:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/11/13 16:01	75-35-4	
cis-1,2-Dichloroethene	**0.40I**	ug/L	1.0	1		03/11/13 16:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/11/13 16:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/11/13 16:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/11/13 16:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		03/11/13 16:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		03/11/13 16:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/11/13 16:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/11/13 16:01	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		03/11/13 16:01	108-20-3	

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ANALYTICAL RESULTS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Sample: MW-4S **Lab ID: 92150599004** Collected: 03/08/13 12:30 Received: 03/08/13 15:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Ethylbenzene	ND	ug/L	1.0	1		03/11/13 16:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		03/11/13 16:01	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		03/11/13 16:01	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		03/11/13 16:01	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		03/11/13 16:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/11/13 16:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/11/13 16:01	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		03/11/13 16:01	91-20-3	
Styrene	ND	ug/L	1.0	1		03/11/13 16:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/11/13 16:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/11/13 16:01	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/11/13 16:01	127-18-4	
Toluene	ND	ug/L	1.0	1		03/11/13 16:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/11/13 16:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/11/13 16:01	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/11/13 16:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/11/13 16:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/11/13 16:01	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/11/13 16:01	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/11/13 16:01	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/11/13 16:01	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/11/13 16:01	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/11/13 16:01	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	109	%	70-130	1		03/11/13 16:01	460-00-4	
Dibromofluoromethane (S)	98	%	70-130	1		03/11/13 16:01	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	70-130	1		03/11/13 16:01	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		03/11/13 16:01	2037-26-5	

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ANALYTICAL RESULTS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Sample: MW-5S **Lab ID: 92150599005** Collected: 03/08/13 12:45 Received: 03/08/13 15:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		03/11/13 11:01		
Collected Date	**03/08/13**			1		03/11/13 11:01		
Collected Time	**12:45**			1		03/11/13 11:01		
Field pH	**5.9**	Std. Units	0.10	1		03/11/13 11:01		
Field Temperature	**8.4**	deg C	0.50	1		03/11/13 11:01		
Static Water Level	**3.42**	feet		1		03/11/13 11:01		
Field Specific Conductance	**148**	umhos/cm	1.0	1		03/11/13 11:01		
Turbidity	**0.77**	NTU	1.0	1		03/11/13 11:01		
Appearance	**Clear , Org. Odor**			1		03/11/13 11:01		
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/11/13 16:17	67-64-1	
Benzene	ND	ug/L	1.0	1		03/11/13 16:17	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		03/11/13 16:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		03/11/13 16:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/11/13 16:17	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/11/13 16:17	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/11/13 16:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/11/13 16:17	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		03/11/13 16:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/11/13 16:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/11/13 16:17	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/11/13 16:17	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/11/13 16:17	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		03/11/13 16:17	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		03/11/13 16:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		03/11/13 16:17	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/11/13 16:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/11/13 16:17	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/11/13 16:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		03/11/13 16:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/11/13 16:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/11/13 16:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/11/13 16:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/11/13 16:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/11/13 16:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/11/13 16:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/11/13 16:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		03/11/13 16:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		03/11/13 16:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/11/13 16:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/11/13 16:17	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		03/11/13 16:17	108-20-3	

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ANALYTICAL RESULTS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Sample: MW-5S **Lab ID: 92150599005** Collected: 03/08/13 12:45 Received: 03/08/13 15:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Ethylbenzene	ND	ug/L	1.0	1		03/11/13 16:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		03/11/13 16:17	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		03/11/13 16:17	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		03/11/13 16:17	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		03/11/13 16:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/11/13 16:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/11/13 16:17	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		03/11/13 16:17	91-20-3	
Styrene	ND	ug/L	1.0	1		03/11/13 16:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/11/13 16:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/11/13 16:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/11/13 16:17	127-18-4	
Toluene	ND	ug/L	1.0	1		03/11/13 16:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/11/13 16:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/11/13 16:17	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/11/13 16:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/11/13 16:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/11/13 16:17	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/11/13 16:17	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/11/13 16:17	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/11/13 16:17	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/11/13 16:17	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/11/13 16:17	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	107	%	70-130	1		03/11/13 16:17	460-00-4	
Dibromofluoromethane (S)	98	%	70-130	1		03/11/13 16:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	70-130	1		03/11/13 16:17	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		03/11/13 16:17	2037-26-5	

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ANALYTICAL RESULTS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Sample: MW-6S **Lab ID: 92150599006** Collected: 03/08/13 12:15 Received: 03/08/13 15:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		03/11/13 11:02		
Collected Date	**03/08/13**			1		03/11/13 11:02		
Collected Time	**12:15**			1		03/11/13 11:02		
Field pH	**7.6**	Std. Units	0.10	1		03/11/13 11:02		
Field Temperature	**9.0**	deg C	0.50	1		03/11/13 11:02		
Static Water Level	**7.27**	feet		1		03/11/13 11:02		
Field Specific Conductance	**72**	umhos/cm	1.0	1		03/11/13 11:02		
Turbidity	**2.95**	NTU	1.0	1		03/11/13 11:02		
Appearance	**Clear, No Odor**			1		03/11/13 11:02		
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/11/13 16:33	67-64-1	
Benzene	ND	ug/L	1.0	1		03/11/13 16:33	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		03/11/13 16:33	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		03/11/13 16:33	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/11/13 16:33	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/11/13 16:33	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/11/13 16:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/11/13 16:33	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		03/11/13 16:33	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/11/13 16:33	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/11/13 16:33	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/11/13 16:33	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/11/13 16:33	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		03/11/13 16:33	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		03/11/13 16:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		03/11/13 16:33	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/11/13 16:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/11/13 16:33	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/11/13 16:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		03/11/13 16:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/11/13 16:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/11/13 16:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/11/13 16:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/11/13 16:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/11/13 16:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/11/13 16:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/11/13 16:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		03/11/13 16:33	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		03/11/13 16:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/11/13 16:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/11/13 16:33	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		03/11/13 16:33	108-20-3	

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ANALYTICAL RESULTS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Sample: MW-6S **Lab ID: 92150599006** Collected: 03/08/13 12:15 Received: 03/08/13 15:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Ethylbenzene	ND	ug/L	1.0	1		03/11/13 16:33	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		03/11/13 16:33	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		03/11/13 16:33	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		03/11/13 16:33	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		03/11/13 16:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/11/13 16:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/11/13 16:33	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		03/11/13 16:33	91-20-3	
Styrene	ND	ug/L	1.0	1		03/11/13 16:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/11/13 16:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/11/13 16:33	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/11/13 16:33	127-18-4	
Toluene	ND	ug/L	1.0	1		03/11/13 16:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/11/13 16:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/11/13 16:33	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/11/13 16:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/11/13 16:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/11/13 16:33	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/11/13 16:33	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/11/13 16:33	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/11/13 16:33	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/11/13 16:33	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/11/13 16:33	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	108	%	70-130	1		03/11/13 16:33	460-00-4	
Dibromofluoromethane (S)	98	%	70-130	1		03/11/13 16:33	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		03/11/13 16:33	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		03/11/13 16:33	2037-26-5	

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ANALYTICAL RESULTS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Sample: MW-7S **Lab ID: 92150599007** Collected: 03/08/13 12:00 Received: 03/08/13 15:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		03/11/13 11:03		
Collected Date	**03/08/13**			1		03/11/13 11:03		
Collected Time	**12:00**			1		03/11/13 11:03		
Field pH	**6.5**	Std. Units	0.10	1		03/11/13 11:03		
Field Temperature	**8.9**	deg C	0.50	1		03/11/13 11:03		
Static Water Level	**4.88**	feet		1		03/11/13 11:03		
Field Specific Conductance	**120**	umhos/cm	1.0	1		03/11/13 11:03		
Turbidity	**0.74**	NTU	1.0	1		03/11/13 11:03		
Appearance	**Clear, No Odor**			1		03/11/13 11:03		
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/11/13 16:49	67-64-1	
Benzene	ND	ug/L	1.0	1		03/11/13 16:49	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		03/11/13 16:49	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		03/11/13 16:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/11/13 16:49	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/11/13 16:49	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/11/13 16:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/11/13 16:49	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		03/11/13 16:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/11/13 16:49	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/11/13 16:49	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/11/13 16:49	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/11/13 16:49	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		03/11/13 16:49	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		03/11/13 16:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		03/11/13 16:49	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/11/13 16:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/11/13 16:49	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/11/13 16:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		03/11/13 16:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/11/13 16:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/11/13 16:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/11/13 16:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/11/13 16:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/11/13 16:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/11/13 16:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/11/13 16:49	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		03/11/13 16:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		03/11/13 16:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/11/13 16:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/11/13 16:49	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		03/11/13 16:49	108-20-3	

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ANALYTICAL RESULTS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Sample: MW-7S **Lab ID: 92150599007** Collected: 03/08/13 12:00 Received: 03/08/13 15:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Ethylbenzene	ND	ug/L	1.0	1		03/11/13 16:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		03/11/13 16:49	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		03/11/13 16:49	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		03/11/13 16:49	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		03/11/13 16:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/11/13 16:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/11/13 16:49	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		03/11/13 16:49	91-20-3	
Styrene	ND	ug/L	1.0	1		03/11/13 16:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/11/13 16:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/11/13 16:49	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/11/13 16:49	127-18-4	
Toluene	ND	ug/L	1.0	1		03/11/13 16:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		03/11/13 16:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/11/13 16:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/11/13 16:49	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/11/13 16:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/11/13 16:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/11/13 16:49	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/11/13 16:49	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/11/13 16:49	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/11/13 16:49	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/11/13 16:49	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/11/13 16:49	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	107	%	70-130	1		03/11/13 16:49	460-00-4	
Dibromofluoromethane (S)	97	%	70-130	1		03/11/13 16:49	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	70-130	1		03/11/13 16:49	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		03/11/13 16:49	2037-26-5	

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ANALYTICAL RESULTS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Sample: TVL BLK **Lab ID: 92150599008** Collected: 03/08/13 00:00 Received: 03/08/13 15:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/11/13 17:05	67-64-1	
Benzene	ND	ug/L	1.0	1		03/11/13 17:05	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		03/11/13 17:05	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		03/11/13 17:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/11/13 17:05	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/11/13 17:05	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/11/13 17:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/11/13 17:05	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		03/11/13 17:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/11/13 17:05	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/11/13 17:05	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/11/13 17:05	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/11/13 17:05	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		03/11/13 17:05	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		03/11/13 17:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		03/11/13 17:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/11/13 17:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/11/13 17:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/11/13 17:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 17:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 17:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/11/13 17:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		03/11/13 17:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/11/13 17:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/11/13 17:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/11/13 17:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/11/13 17:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/11/13 17:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/11/13 17:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/11/13 17:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		03/11/13 17:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		03/11/13 17:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/11/13 17:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/11/13 17:05	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		03/11/13 17:05	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		03/11/13 17:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		03/11/13 17:05	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		03/11/13 17:05	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		03/11/13 17:05	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		03/11/13 17:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/11/13 17:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/11/13 17:05	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		03/11/13 17:05	91-20-3	
Styrene	ND	ug/L	1.0	1		03/11/13 17:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/11/13 17:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/11/13 17:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/11/13 17:05	127-18-4	

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ANALYTICAL RESULTS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Sample: TVL BLK **Lab ID: 92150599008** Collected: 03/08/13 00:00 Received: 03/08/13 15:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	ND	ug/L	1.0	1		03/11/13 17:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		03/11/13 17:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		03/11/13 17:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/11/13 17:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/11/13 17:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/11/13 17:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/11/13 17:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/11/13 17:05	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/11/13 17:05	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/11/13 17:05	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/11/13 17:05	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/11/13 17:05	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/11/13 17:05	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	108	%	70-130	1		03/11/13 17:05	460-00-4	
Dibromofluoromethane (S)	98	%	70-130	1		03/11/13 17:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		03/11/13 17:05	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		03/11/13 17:05	2037-26-5	

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QUALITY CONTROL DATA

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

QC Batch: MSV/22295 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92150599001, 92150599004, 92150599005, 92150599006, 92150599007, 92150599008

METHOD BLANK: 936220 Matrix: Water
Associated Lab Samples: 92150599001, 92150599004, 92150599005, 92150599006, 92150599007, 92150599008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	03/11/13 12:17	
1,1,1-Trichloroethane	ug/L	ND	1.0	03/11/13 12:17	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	03/11/13 12:17	
1,1,2-Trichloroethane	ug/L	ND	1.0	03/11/13 12:17	
1,1-Dichloroethane	ug/L	ND	1.0	03/11/13 12:17	
1,1-Dichloroethene	ug/L	ND	1.0	03/11/13 12:17	
1,1-Dichloropropene	ug/L	ND	1.0	03/11/13 12:17	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	03/11/13 12:17	
1,2,3-Trichloropropane	ug/L	ND	1.0	03/11/13 12:17	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	03/11/13 12:17	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	03/11/13 12:17	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	03/11/13 12:17	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/11/13 12:17	
1,2-Dichloroethane	ug/L	ND	1.0	03/11/13 12:17	
1,2-Dichloropropane	ug/L	ND	1.0	03/11/13 12:17	
1,3-Dichlorobenzene	ug/L	ND	1.0	03/11/13 12:17	
1,3-Dichloropropane	ug/L	ND	1.0	03/11/13 12:17	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/11/13 12:17	
2,2-Dichloropropane	ug/L	ND	1.0	03/11/13 12:17	
2-Butanone (MEK)	ug/L	ND	5.0	03/11/13 12:17	
2-Chlorotoluene	ug/L	ND	1.0	03/11/13 12:17	
2-Hexanone	ug/L	ND	5.0	03/11/13 12:17	
4-Chlorotoluene	ug/L	ND	1.0	03/11/13 12:17	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	03/11/13 12:17	
Acetone	ug/L	ND	25.0	03/11/13 12:17	
Benzene	ug/L	ND	1.0	03/11/13 12:17	
Bromobenzene	ug/L	ND	1.0	03/11/13 12:17	
Bromochloromethane	ug/L	ND	1.0	03/11/13 12:17	
Bromodichloromethane	ug/L	ND	1.0	03/11/13 12:17	
Bromoform	ug/L	ND	1.0	03/11/13 12:17	
Bromomethane	ug/L	ND	2.0	03/11/13 12:17	
Carbon tetrachloride	ug/L	ND	1.0	03/11/13 12:17	
Chlorobenzene	ug/L	ND	1.0	03/11/13 12:17	
Chloroethane	ug/L	ND	1.0	03/11/13 12:17	
Chloroform	ug/L	ND	1.0	03/11/13 12:17	
Chloromethane	ug/L	ND	1.0	03/11/13 12:17	
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/11/13 12:17	
cis-1,3-Dichloropropene	ug/L	ND	1.0	03/11/13 12:17	
Dibromochloromethane	ug/L	ND	1.0	03/11/13 12:17	
Dibromomethane	ug/L	ND	1.0	03/11/13 12:17	
Dichlorodifluoromethane	ug/L	ND	1.0	03/11/13 12:17	
Diisopropyl ether	ug/L	ND	1.0	03/11/13 12:17	
Ethylbenzene	ug/L	ND	1.0	03/11/13 12:17	

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

QUALITY CONTROL DATA

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

METHOD BLANK: 936220 Matrix: Water

Associated Lab Samples: 92150599001, 92150599004, 92150599005, 92150599006, 92150599007, 92150599008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	03/11/13 12:17	
m&p-Xylene	ug/L	ND	2.0	03/11/13 12:17	
Methyl-tert-butyl ether	ug/L	ND	1.0	03/11/13 12:17	
Methylene Chloride	ug/L	ND	2.0	03/11/13 12:17	
Naphthalene	ug/L	ND	1.0	03/11/13 12:17	
o-Xylene	ug/L	ND	1.0	03/11/13 12:17	
p-Isopropyltoluene	ug/L	ND	1.0	03/11/13 12:17	
Styrene	ug/L	ND	1.0	03/11/13 12:17	
Tetrachloroethene	ug/L	ND	1.0	03/11/13 12:17	
Toluene	ug/L	ND	1.0	03/11/13 12:17	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/11/13 12:17	
trans-1,3-Dichloropropene	ug/L	ND	1.0	03/11/13 12:17	
Trichloroethene	ug/L	ND	1.0	03/11/13 12:17	
Trichlorofluoromethane	ug/L	ND	1.0	03/11/13 12:17	
Vinyl acetate	ug/L	ND	2.0	03/11/13 12:17	
Vinyl chloride	ug/L	ND	1.0	03/11/13 12:17	
Xylene (Total)	ug/L	ND	2.0	03/11/13 12:17	
1,2-Dichloroethane-d4 (S)	%	97	70-130	03/11/13 12:17	
4-Bromofluorobenzene (S)	%	107	70-130	03/11/13 12:17	
Dibromofluoromethane (S)	%	96	70-130	03/11/13 12:17	
Toluene-d8 (S)	%	97	70-130	03/11/13 12:17	

LABORATORY CONTROL SAMPLE: 936221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	59.9	120	70-130	
1,1,1-Trichloroethane	ug/L	50	54.8	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	54.7	109	70-130	
1,1,2-Trichloroethane	ug/L	50	56.9	114	70-130	
1,1-Dichloroethane	ug/L	50	51.5	103	70-130	
1,1-Dichloroethene	ug/L	50	52.4	105	70-132	
1,1-Dichloropropene	ug/L	50	62.8	126	70-130	
1,2,3-Trichlorobenzene	ug/L	50	58.7	117	70-135	
1,2,3-Trichloropropane	ug/L	50	60.7	121	70-130	
1,2,4-Trichlorobenzene	ug/L	50	59.9	120	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	54.5	109	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	57.9	116	70-130	
1,2-Dichlorobenzene	ug/L	50	56.6	113	70-130	
1,2-Dichloroethane	ug/L	50	46.5	93	70-130	
1,2-Dichloropropane	ug/L	50	56.0	112	70-130	
1,3-Dichlorobenzene	ug/L	50	56.6	113	70-130	
1,3-Dichloropropane	ug/L	50	56.9	114	70-130	
1,4-Dichlorobenzene	ug/L	50	56.3	113	70-130	
2,2-Dichloropropane	ug/L	50	56.1	112	58-145	
2-Butanone (MEK)	ug/L	100	106	106	70-145	

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Asheville, NC 28804
(828)254-7176

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

QUALITY CONTROL DATA

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

LABORATORY CONTROL SAMPLE: 936221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chlorotoluene	ug/L	50	56.7	113	70-130	
2-Hexanone	ug/L	100	100	100	70-144	
4-Chlorotoluene	ug/L	50	54.9	110	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.3	96	70-140	
Acetone	ug/L	100	89.8	90	50-175	
Benzene	ug/L	50	53.8	108	70-130	
Bromobenzene	ug/L	50	53.0	106	70-130	
Bromochloromethane	ug/L	50	55.2	110	70-130	
Bromodichloromethane	ug/L	50	55.4	111	70-130	
Bromoform	ug/L	50	65.0	130	70-130	
Bromomethane	ug/L	50	48.2	96	54-130	
Carbon tetrachloride	ug/L	50	61.6	123	70-132	
Chlorobenzene	ug/L	50	57.9	116	70-130	
Chloroethane	ug/L	50	50.9	102	64-134	
Chloroform	ug/L	50	51.6	103	70-130	
Chloromethane	ug/L	50	49.1	98	64-130	
cis-1,2-Dichloroethene	ug/L	50	49.6	99	70-131	
cis-1,3-Dichloropropene	ug/L	50	59.6	119	70-130	
Dibromochloromethane	ug/L	50	61.6	123	70-130	
Dibromomethane	ug/L	50	59.5	119	70-131	
Dichlorodifluoromethane	ug/L	50	56.1	112	56-130	
Diisopropyl ether	ug/L	50	48.8	98	70-130	
Ethylbenzene	ug/L	50	58.9	118	70-130	
Hexachloro-1,3-butadiene	ug/L	50	63.5	127	70-130	
m&p-Xylene	ug/L	100	120	120	70-130	
Methyl-tert-butyl ether	ug/L	50	53.5	107	70-130	
Methylene Chloride	ug/L	50	48.8	98	63-130	
Naphthalene	ug/L	50	55.5	111	70-138	
o-Xylene	ug/L	50	60.2	120	70-130	
p-Isopropyltoluene	ug/L	50	60.1	120	70-130	
Styrene	ug/L	50	61.6	123	70-130	
Tetrachloroethene	ug/L	50	63.8	128	70-130	
Toluene	ug/L	50	54.9	110	70-130	
trans-1,2-Dichloroethene	ug/L	50	52.8	106	70-130	
trans-1,3-Dichloropropene	ug/L	50	61.1	122	70-132	
Trichloroethene	ug/L	50	56.2	112	70-130	
Trichlorofluoromethane	ug/L	50	57.7	115	62-133	
Vinyl acetate	ug/L	100	104	104	66-157	
Vinyl chloride	ug/L	50	44.6	89	69-130	
Xylene (Total)	ug/L	150	180	120	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			111	70-130	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 936222 936223

Parameter	Units	92150440001 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	48.5	47.6	97	95	70-166	2	
Benzene	ug/L	ND	50	50	44.9	43.9	90	88	70-148	2	
Chlorobenzene	ug/L	ND	50	50	52.4	51.1	105	102	70-146	2	
Toluene	ug/L	ND	50	50	51.1	49.3	102	99	70-155	4	
Trichloroethene	ug/L	ND	50	50	54.4	52.8	109	106	69-151	3	
1,2-Dichloroethane-d4 (S)	%						96	98	70-130		
4-Bromofluorobenzene (S)	%						100	99	70-130		
Dibromofluoromethane (S)	%						96	97	70-130		
Toluene-d8 (S)	%						96	98	70-130		

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QUALIFIERS

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

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.

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

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SOUTH LF WELLS 3/8
Pace Project No.: 92150599

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92150599001	**MW-1S**		FLD/		
92150599002	**MW-2S**		FLD/		
92150599003	**MW-3S**		FLD/		
92150599004	**MW-4S**		FLD/		
92150599005	**MW-5S**		FLD/		
92150599006	**MW-6S**		FLD/		
92150599007	**MW-7S**		FLD/		
92150599001	**MW-1S**	EPA 8260	MSV/22295		
92150599004	**MW-4S**	EPA 8260	MSV/22295		
92150599005	**MW-5S**	EPA 8260	MSV/22295		
92150599006	**MW-6S**	EPA 8260	MSV/22295		
92150599007	**MW-7S**	EPA 8260	MSV/22295		
92150599008	**TVL BLK**	EPA 8260	MSV/22295		

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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

1637787

Section A Required Client Information:

Company: Kimberly Clark
Address: Balfour NC
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Michael Baldwin
Copy To:
Purchase Order No.:
Project Name: South Lewis
Project Number:

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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): Analysis Test: pH, Top Soil and Turf, Static H2O, VOC

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	pH	Top Soil and Turf	Static H2O	VOC	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1S					3-8-13	1130		3				3					X	X	X			92150599001
2	MW-2S					3-8	1100		0				0					X	X				92150599002
3	MW-3S					3-8	1115		0				0					X	X				92150599003
4	MW-4S					3-8	1230		3				3					X	X	X			92150599004
5	MW-5S					3-8	1245		3				3					X	X	X			92150599005
6	MW-6S					3-8	1215		3				3					X	X	X			92150599006
7	MW-7S					3-8	1200		3				3					X	X	X			92150599007
8																							
9	TUL BLK					3-8																	92150599008
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
8 HRS	X Billy Horwell	3-8-13	1310	[signature] Pace	3-8-13	1310	
~~70~~ NO MILEAGE	[signature] Pace	3-8-13	1500	[signature]	3/8/13	1500	3.7 + — +
$100 BAILERS + Rope							

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Michael Mark P. Swann

SIGNATURE of SAMPLER: [signature] Pace

DATE Signed (MM/DD/YY): 3-8-13

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

*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.

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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

1637787

Section A Required Client Information:

Company: Kimberly Clark	
Address: Bac Four NC	
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To: Michael Baldwin	
Copy To:	
Purchase Order No.:	
Project Name: South Lowell C	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N): All Trihalomethanes; Solids, H.B; VOC

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	All Trihalomethanes	Solids, H.B	VOC	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1S					3-8-13	1130		3				3					Y	Y	Y		92150599001
2	MW-2S					3-8	1100		3				3					Y	Y			92150599002
3	MW-3S					3-8	1115		3				3					Y	Y			92150599003
4	MW-4					3-8	1230		3				3					Y	Y	Y		92150599004
5	MW-5S					3-8	1245		3				3					Y	Y	Y		92150599005
6	MW-6S					3-8	1215		3				3					Y	Y	Y		92150599006
7	MW-7S					3-8	1200		3				3					Y	Y	Y		92150599007
8																						
9	TB 1/2					3-8																92150599008
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
8 HRS	Billy Horne	3-8-13	1310	[illegible]	3-8-13	1310				
[illegible]	[illegible]	3-8-13	1500	[illegible]	3/8/13	1500	3.7	+	—	Y
Hop Bonus Hope										

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Mark A. Swann		
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY):	3-8-13

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

3

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

Pace Analytical www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: May 30, 2012 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.08	Issuing Authorities: Pace Asheville Quality Office

Client Name: KC Project # 92150599

Where Received: ☐ Huntersville ☑ Asheville ☐ Eden ☐ Raleigh

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

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

Optional Proj. Due Date:

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

Circle Thermometer Used: IR Gun#2 -80344039 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

IR Gun Back Up- 111565135

Temp Correction Factor: Add / Subtract 0.1 C

Corrected Cooler Temp.: 3.7 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 3/5/13

		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: WT		
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	Initial when completed
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.
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: _____ **Date:** _____ **SRF Review:** _____ **Date:** _____

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# : 92150599

92150599