



July 15, 2008  
Project No. 62403033

Mr. Tom Richmond  
Enforcement Section  
South Carolina Department of Health and Environmental Control  
2600 Bull Street  
Columbia, South Carolina 29201

RECEIVED

JUL 17 2008

**RE: WestPoint Home – former Clemson Plant  
Site ID # 00895  
Consent Agreement #06-163-W  
Transmittal of “Summary of Soil Remediation Activities  
Former Varsol AST Area, WestPoint Home  
Clemson, South Carolina” – Report Dated July 14, 2008**

Water Monitoring, Assessment &  
Protection Division

Dear Mr. Richmond:

PSC Industrial Outsourcing, LP (PSC) Corporation, is transmitting the subject report on behalf of WestPoint Home (WPH). Please transmit this information to Mike Rivers of the Bureau of Water.

The report summarizes all soil remediation activities that were completed in June 2008 at the former Varsol AST area of the site. Please contact Dale Markley at 618-281-1540 if you have any questions.

Sincerely,  
PSC

*Dale E. Markley*  
Dale E. Markley  
Senior Hydrogeologist/Project Manager

*Kenneth D. Olson*  
Kenneth D. Olson  
Registered Professional Geologist

*Kenneth D. Olson*  
No. 2402  
KENNETH D. OLSON  
REGISTERED  
SOUTH CAROLINA  
PROFESSIONAL GEOLOGIST  
Expires 06/30/2009

RECEIVED

JUL 16 2008

WATER POLLUTION CONTROL  
DIVISION

CC: Eddie Lanier, WestPoint Home  
Bob Mussro, Goldie & Associates

S/env/varsolremediation/transmittal...

**Summary of Soil Remediation Activities  
Former Varsol AST Area  
WestPoint Home  
Clemson, South Carolina**

July 14, 2008

Prepared for:

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND  
ENVIRONMENTAL CONTROL**

Columbia, Illinois



**Summary of Soil Remediation Activities  
Former Varsol AST Area  
WestPoint Home  
Clemson, South Carolina**

July 14, 2008

Prepared for:

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND  
ENVIRONMENTAL CONTROL**

**PSC INDUSTRIAL OUTSOURCING L.P.**  
210 West Sand Bank Road  
Columbia, Illinois 62236-0230

Project (62403033)

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Summary of Soil Remediation Activities  
Former Varsol AST Area  
WestPoint Home  
Clemson, South Carolina

# 1 VARSOL SOIL EXCAVATION ACTIVITIES

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On behalf of WestPoint Home (WPH), during the period of June 2-27, 2008 PSC staff performed excavation, disposal, and backfilling in the area known as the Former Varsol AST Location.

The remediation work was done during two mobilizations, June 2-14 and June 22-27, 2008. On June 18, 2008, a day of borehole drilling was performed to confirm the amount of additional excavation required prior to the second mobilization.

For clarification, while the former Varsol AST may have been one source of the released volatile organic compounds (VOCs - xylene and ethylbenzene, primarily), former UST locations (two or three) were found in this area of the site. The tanks had been removed but the former concrete tie-down structures were visible at a depth of 18 feet (just above the water table), as was the old fill (mainly sand) that had been used to backfill around the USTs. It was apparent that the former impacted fill was not removed along with the USTs. It is presumed the old USTs predated the age of the building additions that were built over this area in 1968 and 1991. All USTs at the site were removed prior to the acquisition of the plant by WestPoint Pepperell from J. P. Stevens in 1988, and no records of those UST closures have ever been located. The former UST permeable backfill was the predominant soil type removed from the excavation.

The soil remediation was completed on June 27, 2008 with the removal of a total of 1877 tons of impacted soil transported to Anderson Regional Landfill in Belton, South Carolina. Figure 1 provides the dimensions for the final excavation area. Included in Appendix A is the overview figure that shows the Varsol area within the larger former WPH Clemson Plant. Photo-documentation of the site remedial actions is provided in Appendix B. The entire facility has been demolished and is in the process of redevelopment for residential use.

Summary of Soil Remediation Activities  
Former Varsol AST Area  
WestPoint Home  
Clemson, South Carolina

## 2 **CONFIRMATION SOIL SAMPLING**

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Sampling of the sidewalls and bottom of the excavation were performed to guide the impacted soil excavation and to document the conditions of the excavation prior to backfilling with an onsite source of gravel. The sample results indicate limited residual soil impact was left. The main area where the residual impact was left was the bottom of the excavation (approximately 21 feet) where groundwater was encountered. At a few locations, sampling detected impacted soil under clean soil greater than 10 feet in depth; at these locations a decision was made that no exposure pathway was present to future site use and the residual impacted soil would be treated with the addition of bioremediation chemicals. The areas where residual soil impact was not removed is highlighted on the tables and figures included in this report.

The decision to leave residual areas of soil impact was supported by drilled soil sample locations (collected on June 18, 2008) outside the excavation area. This data confirmed the impacted soil extent and was used to guide the excavation activity for the second excavation mobilization on June 22-27, 2008. The drilling included seven boreholes that were logged and samples screened with a PID. Selected samples were collected for lab verification. The borehole logs are provided in Appendix C.

The laboratory data is compiled on tables and figures, and is separated by samples collected within the excavation (Table 1 and Figure 2), and samples collected from investigations outside the excavation (Table 2 and Figures 3 and 4).

Field data collected with a PID is mapped on Figure 5 (within the excavation) and Figure 6 (outside the excavation).

Summary of Soil Remediation Activities  
Former Varsol AST Area  
WestPoint Home  
Clemson, South Carolina

### 3 SUMMARY OF DETECTED PCE IN SOIL

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In addition to the two primary chemicals of concern (COCs) - ethylbenzene and xylene- tetrachloroethene (PCE) is another facility COC. Soil samples were laboratory tested for PCE and also field screened using a Draeger tube specific for PCE. Tables 1 and 2 provide a summary of the detected PCE. Other detected chlorinated VOCs were minor and are listed on Table 3. In most locations the detection limit technically feasible for PCE by the lab using standard methods were elevated well over the levels of concern due to high concentrations of other compounds. However, the results of the Draeger tubes, using the head space method suggested by DHEC, did confirm that even where lab detection limits were elevated (3 ppm and over), the concentrations of PCE detected by the tubes was less than 0.1 ppm.

At a few soil sample locations south of the main excavation, positive lab detections were found – these are summarized below:

- SB-3 detected 3 ppm - borehole sample from 3.5 to 5.5 feet; (a second sample retained from SB-3 for the same depth detected 0.65 ppm, but this sample was not immediately placed in a sample jar);
- SB-1 at 3.5 to 5 feet detected 0.69 ppm;
- Test pit 13 at 3.5 feet detected 0.243 ppm; and
- Test pit 9 at 19 feet detected 0.0148 ppm.

The initial soil profile sample (from 4.5 feet , called Varsol 2) collected May 5, 2008 on the south end of the excavation (near UGB-1) also detected 1.45 ppm..

Since all the PCE detections are within the area directly south of the main excavation, there are plans for additional soil sampling on the area south of the Varsol AST excavation. Areas to the south of excavation have now been cleared of the former building and concrete pad. PSC is proposing additional soil sampling in this area since there is a suspected source of PCE there, based on groundwater data directly downgradient of the location and soil samples collected south of the excavation.

## **4 ADDITION OF BIOREMEDIATION COMPOUNDS FOR GROUNDWATER REMEDIATION**

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To create faster biodegradation of the residual impacted soil in contact with groundwater and also the contaminants in the groundwater, PSC added to the bottom of the excavation 1925 pounds of the bioremediation compound OBC (Oxygen Bio Chem). OBC is a product name used by Redox-Tech. It contains chemicals that enhance chemical oxidization and bioremediation. The OBC mixture includes sodium persulfate and calcium peroxide for chemical oxidation and electron acceptors (oxygen and sulfate) for longer-term biological oxidation. It will react with the detected xylene, ethylbenzene and PCE. Addition of the compound was pre-approved by the DHEC UIC group.

PSC will monitor existing downgradient monitoring wells on not less than six month intervals to evaluate the performance of these remedial actions to improve VOC concentrations.

Summary of Soil Remediation Activities  
Former Varsol AST Area  
WestPoint Home  
Clemson, South Carolina



## **5 BACKFILL AND CAPPING OF EXCAVATION**

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As shown on Figure 7, the excavation area was backfilled from 2 to 21 feet below normal ground surface using non-impacted gravel materials (recycled concrete from site demolition). Above the gravel backfill, a six-mil plastic barrier was installed to reduce infiltration of surface water.

A two-foot clay layer was spread mechanically over the plastic barrier using heavy equipment. The clay layer was installed in four separate lifts of six-inches each and compacted into place using the heavy equipment.

The excavation area may require official DHEC review and approval of the final clay and plastic barrier over the gravel backfill material. Further review of this issue is in progress. The objective of the cap is to reduce infiltration. However, the degree of residual soil impact migration vertically, as a result of infiltration through the non-impacted gravel backfill, should be minimal. As illustrated on Figures 2 - 6 the samples indicate the amount of xylene and ethylbenzene in unsaturated soil above the groundwater is small. Samples at the total depth of the excavation are still containing impact since excavation below the water table was not performed.

The area of impacted soil was surveyed by Goldie & Associates and a CAD figure was created for placing a legal description on its location. A copy of this drawing is provided in Appendix A.

## List of Tables

<b>Table Number</b>	<b>Table Name</b>
1	Soil Confirmation Data Summary – Ethylbenzene, Xylene, and Tetrachloroethylene Samples Collected Within Excavation
2	Soil Confirmation Data Summary - Ethylbenzene, Xylene, and Tetrachloroethylene Samples Collected Outside the Final Excavation
3	Soil Confirmation Data Summary – Other Chlorinated VOCs Detected

Table 1

**Soil Confirmation Data Summary - Ethylbenzene, Xylene, and Tetrachloroethene  
Samples Collected Within the Excavation  
6/2008 - Varsol Area Soil Remediation  
Clemson, South Carolina  
West Point Home - WPS Plant**

Rogers & Callcott		6/9/2008	6/9/2008	6/9/2008	6/9/2008	6/9/2008	6/9/2008	Notes
<b>Parameter (mg/kg-dry)</b>	<b>Reg IX PRG</b>	<b>WS-1 (18')</b>	<b>WS-2 (18')</b>	<b>SS-1 (15')</b>	<b>NS-1 (18')</b>	<b>ES-1 (18')</b>	<b>ES-2 (18')</b>	All sidewall samples near floor of excavation.  Samples were near groundwater smear zone.
Ethylbenzene	400	280	300	<6.1	66	<6.3	<5.9	
Xylene (total)	270	970	1,080	<18.1	224	<19.3	<17.9	
Tetrachloroethylene	0.48	<100	<99	<6.1	<5.1	<6.3	<5.9	
PID Reading (ppm)	1,341	4,794	15.2	1,784	2.4	40.2		
Dragger Tube (PCE)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Accutest		6/10/2008	6/11/2008	6/6/2008				
<b>Parameter (mg/kg-dry)</b>	<b>Reg IX PRG</b>	<b>Test Pit 8 (10')</b>	<b>Test Pit 10 (9')</b>	<b>Test Pit Area 2 (21')</b>	Test Pit 2,8,10 were within the larger excavation and soil was removed.			
Ethylbenzene	400	0.213	<0.0069	194				
Xylene (total)	270	0.113	<0.021	675				
Tetrachloroethylene	0.48	<0.0086	<0.0069	<4.9				
PID Reading (ppm)	48.0	7.9	>100					
Dragger Tube (PCE)	<0.1	NA	<0.1					
Accutest		6/4/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008	6/11/2008	
<b>Parameter (mg/kg-dry)</b>	<b>Reg IX PRG</b>	<b>Pit 3 Under Side</b>	<b>BS-2 (12')</b>	<b>WA 10'</b>	<b>WB 10'</b>	<b>WC 10'</b>		Soil removed in this area to maximum depth - groundwater encountered at 21 feet below building slab Pit 3 soil removed.
Ethylbenzene	400	5.58	1,530	0.0155	0.0313	392		
Xylene (total)	270	23.8	7,030	0.0369	0.0156	1,370		
Tetrachloroethylene	0.48	<0.560	<42	<0.0077	<0.0068	<43		
PID Reading (ppm)	105.0	>9999	157.0	66.6	6,810.0			
Dragger Tube (PCE)	<0.1	NA	NA	NA	NA	NA		
Rogers & Callcott		6/18/2008	6/18/2008	6/18/2008				
<b>Parameter (mg/kg-dry)</b>	<b>Reg IX PRG</b>	<b>Soil Borings within Excavation</b>						
		<b>SB-5(3.5-5.5)</b>	<b>SB-5(8.5-10.5)</b>	<b>SB-6(8.5-10.5)</b>	A day of exploration between the 2 excavation events to evaluate extent. See Geologic logs for PID and soil types.			
Ethylbenzene	400	0.66	570	6.4				
Xylene (total)	270	1.4	2,000	14.9				
Tetrachloroethylene	0.48	<0.24	<3.5	<0.24				
PID Reading (ppm)	38	>9999	927					
Dragger Tube (PCE)	<0.1	<0.1	<0.1					
Accutest		6/24/2008	6/24/2008	6/24/2008				
<b>Parameter (mg/kg-dry)</b>	<b>Reg IX PRG</b>	<b>WS-3(12')</b>	<b>WS-4 (12')</b>	<b>NS-2 (12')</b>	WS-3,4 and NS-2 were sidewall samples at end of project digging.			
Ethylbenzene	400	<0.0072	<0.0068	0.0012				
Xylene (total)	270	0.14	<0.021	<0.016				
Tetrachloroethylene	0.48	<0.0072	<0.0068	<0.0055				
PID Reading (ppm)	32	1	1.1					
Dragger Tube (PCE)	<0.1	<0.1	<0.1					

SB-3 duplicated reported was collected as follows: one direct from split spoon and 1 from sample retained from bagged sample. Higher values were the spoon collected sample  
**Bold** denotes result above the Region IX PRG comparison objective  
 < = not detect at the Reporting Limit (RL) shown. Method Detection Limits (MDL) are about 1/4 of the RL.  
 Region IX PRG's are for the residential direct exposure contact pathway  
 NA = Not Analyzed  
 Pit 3 sample collected in area removed at north end of excavation.

Table 2

**Soil Confirmation Data Summary - Ethylbenzene, Xylene, and Tetrachloroethene  
Soil Samples From Investigations Outside the Final Excavation  
6/2008 - Varsol Area Soil Remediation  
Clemson, South Carolina  
West Point Home - WPS Plant**

Accutest		6/10/2008	6/11/2008	6/4/2008
<b>Parameter (mg/kg-dry)</b>	<b>Reg IX PRG</b>	<b>Test Pit 9 (19)*</b>	<b>Test Pit 11 (10')</b>	<b>Clean Stock Pile</b>
Ethylbenzene	400	0.0027 J	30.4	0.0291
Xylene (total)	270	0.008 J	94.3	0.211
Tetrachloroethylene	0.48	0.0148	<2.3	<0.0068
PID Reading (ppm)		3.4	1,306.0	1.0
Dragger Tube (PCE)		<0.1	NA	<0.1

Rogers & Callcott		6/18/2008	6/18/2008	6/18/2008	6/18/2008
		Soil Borings			
<b>Parameter (mg/kg-dry)</b>	<b>Reg IX PRG</b>	<b>SB-1(3.5-5.5)</b>	<b>SB-2(3.5-5.5)</b>	<b>SB-3(3.5-5.5)</b>	<b>SB-4(3.5-5.5)</b> <b>SB-7(13.5-15.5)</b>
Ethylbenzene	400	<0.18	<0.18	4.8/0.58	180
Xylene (total)	270	<0.54	<0.54	19.2/2.03	<b>630</b>
Tetrachloroethylene	0.48	<b>0.78</b>	<0.18	<b>3.6/0.73</b>	<5
PID Reading (ppm)		9	72	111	>9999
Dragger Tube (PCE)		<0.1	<0.1	<0.1	<0.1

Accutest		6/24/2008	6/24/2008	6/24/2008	6/24/2008
<b>Parameter (mg/kg-dry)</b>	<b>Reg IX PRG</b>	<b>Test Pit 13 (3.5')</b>	<b>Test Pit 12 (1')</b>	<b>WS-3(12')</b>	<b>WS-4 (12')</b> <b>NS-2 (12')</b>
Ethylbenzene	400	0.0042 J	<0.0062	<0.0072	0.0012 J
Xylene (total)	270	0.0223	<0.019	0.14	<0.021
Tetrachloroethylene	0.48	0.243	<0.0062	<0.0072	<0.0068
PID Reading (ppm)		1	41	32	1.1
Dragger Tube (PCE)		<0.1	<0.1	<0.1	<0.1

**Notes**

A day of exploration between the 2 excavation events to evaluate extent.  
See Geologic logs for PID and soil types.

Test pits 12 and 13 were explorations to the south to evaluate the extent of the detect at SB -3  
WS-3,4 and NS-2 were sidewalls samples at end of project digging.

SB-3 duplicated reported was collected as follows: one direct from split spoon and 1 from sample retained from bagged sample. Higher values were the spoon collected sample  
**Bold** denotes result above the Region IX PRG comparison objective

< = not detect at the Reporting Limit (RL) shown. Method Detection Limits (MDL) are about 1/4 of the RL.

(\_) results in parentheses represent rerun results

Region IX PRG's are for the residential direct exposure contact pathway

NA = Not Analyzed

soil removed if sample is yellow  
soil **not** removed if sample is green  
Clean stockpile soil was sent to landfill.

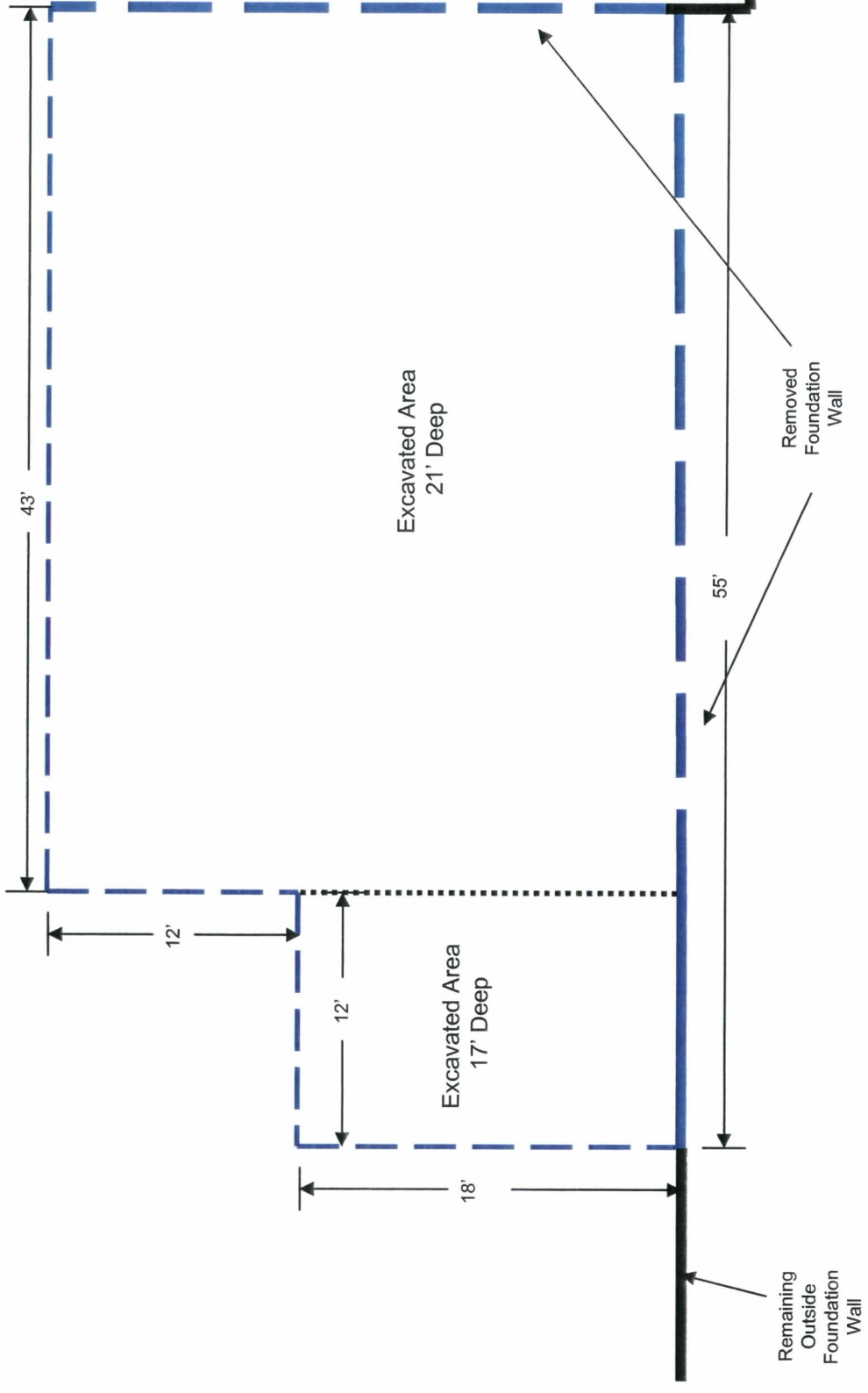


## List of Figures

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4	Laboratory Results for Drilled Borehole Samples
5	PID Results for Excavation
6	PID Results for Test Pit Areas and Boreholes South of Excavation
7	Cross Sectional View of Excavation Area



Concrete Wall



Indicates Extent of Excavation Based on Field Notes



Final Excavation Dimensions at Completion

June 26, 2008

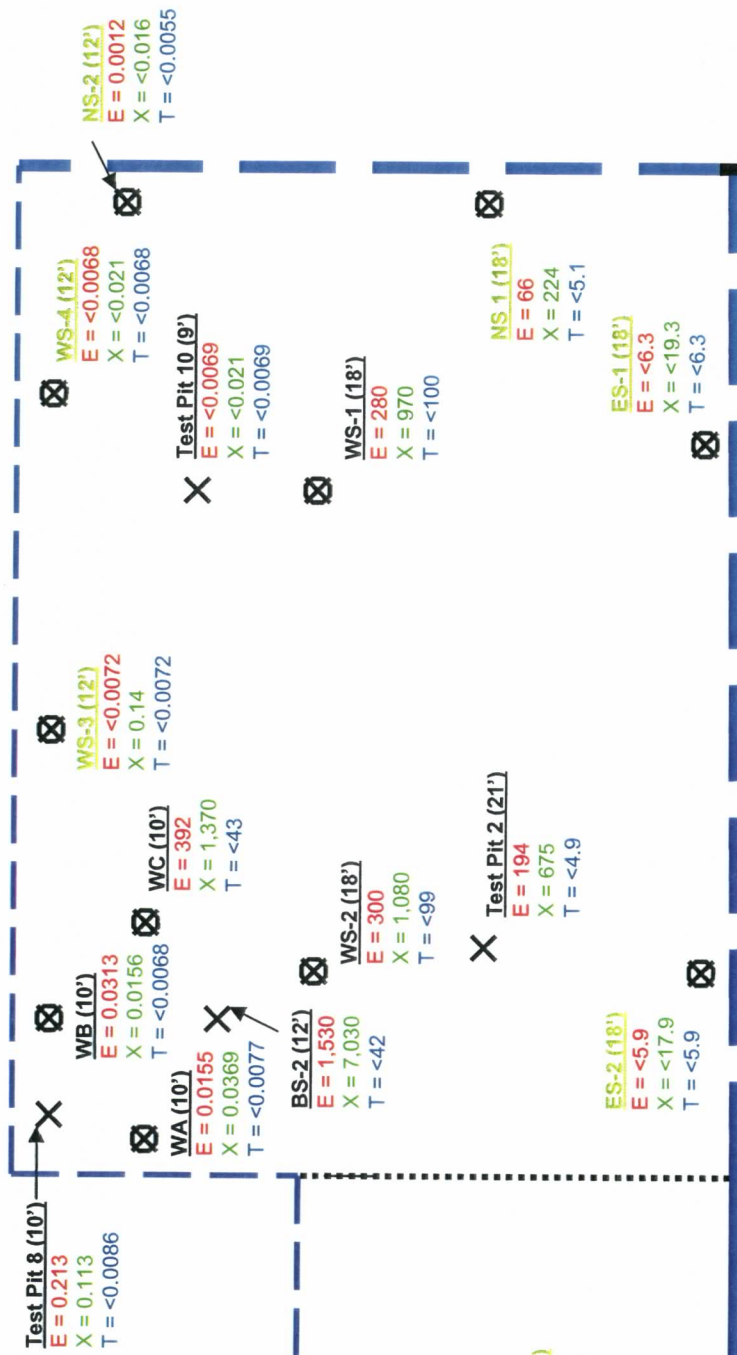
DWN: DPS	FORM: DPS
DATE: 7/8/08	REV: 0

Project Number: 62403033  
**WestPoint Home**  
 Clemson, South Carolina

**FIGURE 1**



Concrete Wall



**BS-2 (12')** = Sample ID (depth) for samples where soil removed  
**SS-1 (15')** = Sample ID (depth) where soil was not removed  
**E** = Ethylbenzene Result in ppm  
**X** = Xylene Result in ppm  
**T** = Tetrachloroethylene Result in ppm

**X** = Bottom VOC Soil Sample Location  
**⊗** = Sidewall VOC Soil Sample Location



Laboratory Results for Excavation

June 26, 2008

Project Number: 62403033  
 WestPoint Home  
 Clemson, South Carolina

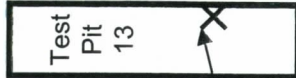
DWN:	DPS	DFM:	DPS
DATE:	7/8/08	REV:	0

FIGURE 2





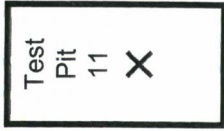
Concrete Wall



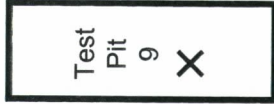
Test Pit 13 (3.5')  
 E = 0.0042 J  
 X = 0.0223  
 T = 0.243



Test Pit 12 (1')  
 E = <0.0062  
 X = <0.019  
 T = <0.0062



Test Pit 11 (10')  
 E = 30.4  
 X = 94.3  
 T = <2.3



Test Pit 9 (19')  
 E = 0.0027 J  
 X = 0.008 J  
 T = 0.0148

X = VOC Soil Sample Location

Test Pit 9 (18') = Sample ID (depth) where soil was not removed  
 E = Ethylbenzene Result in ppm  
 X = Xylene Result in ppm  
 T = Tetrachloroethylene Result in ppm

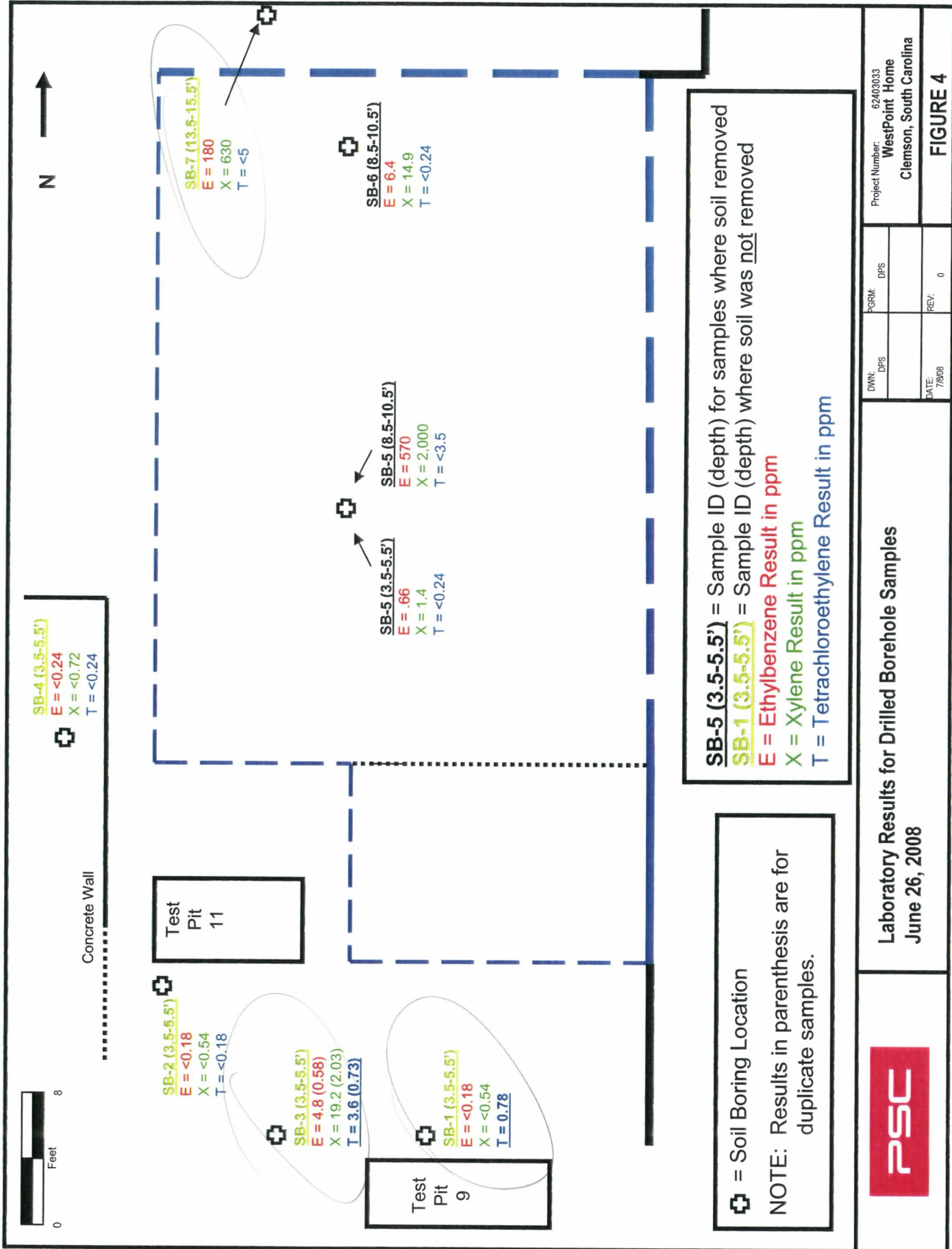


Laboratory Results for Test Pit Areas South of  
 Excavation, June 26, 2008

DWN: DPS	FGRM: DPS
DATE: 7/8/08	REV: 0

Project Number: 62403033  
 WestPoint Home  
 Clemson, South Carolina

FIGURE 3



**SB-5 (3.5-5.5')** = Sample ID (depth) for samples where soil removed  
**SB-1 (3.5-5.5')** = Sample ID (depth) where soil was not removed  
 E = Ethylbenzene Result in ppm  
 X = Xylene Result in ppm  
 T = Tetrachloroethylene Result in ppm

⊕ = Soil Boring Location  
 NOTE: Results in parenthesis are for duplicate samples.

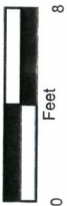


Laboratory Results for Drilled Borehole Samples  
 June 26, 2008

Project Number: 62403033  
 WestPoint Home  
 Clemson, South Carolina

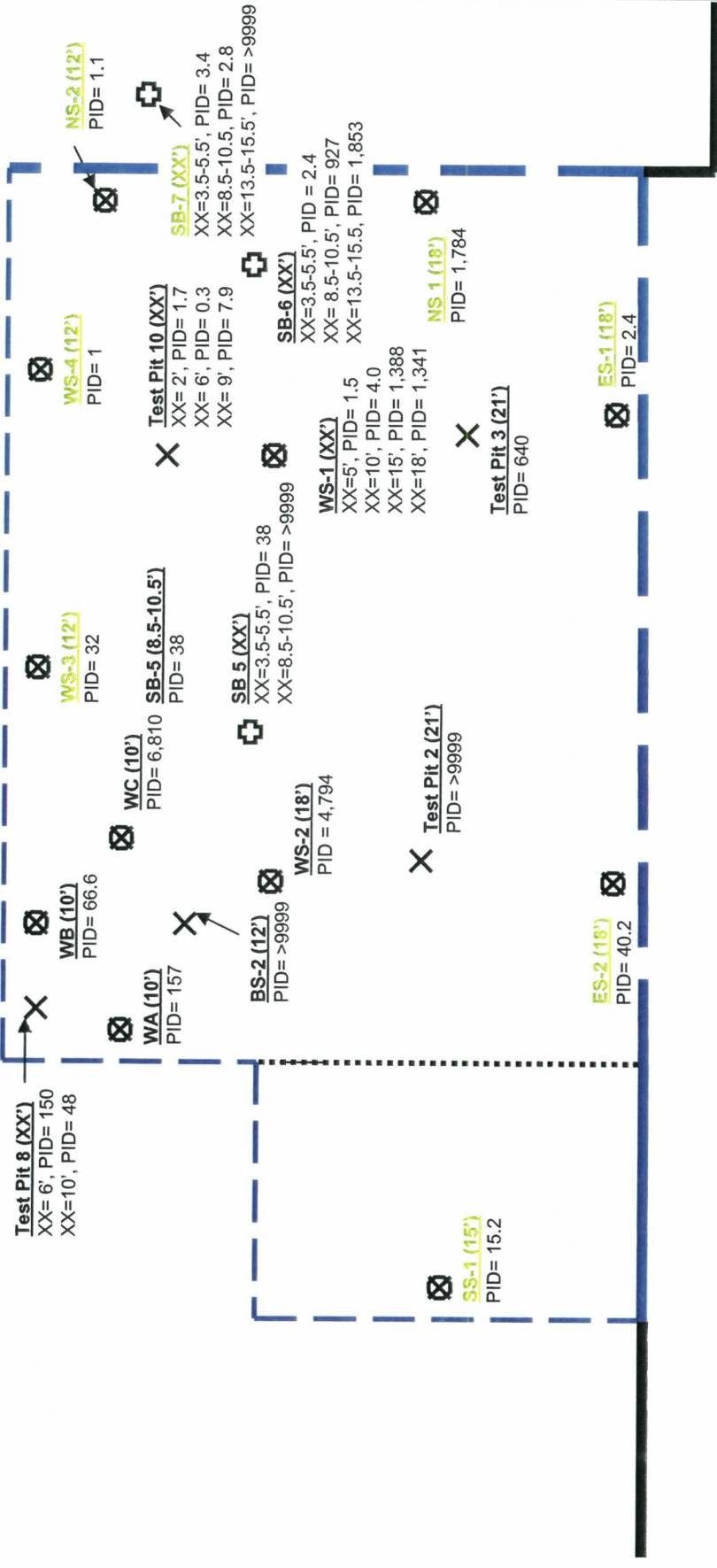
DWN: DFS  
 PGRM: DFS  
 DATE: 7/8/08  
 REV: 0

FIGURE 4



Concrete Wall

- SB-4 (XX')**
- XX= 3.5-5', PID= 3.4
- XX= 8.5-10', PID= 2.4
- XX= 13.5-15.5', PID= 2.6
- XX= 18.5-20.5', PID= 2.0



- X** = Bottom VOC Soil Sample Location
  - ⊗** = Sidewall VOC Soil Sample Location
  - ⊕** = Soil Boring Location
- BS-2 (12')** = Sample ID (depth) for samples where soil removed  
**SS-1 (15')** = Sample ID (depth) where soil was not removed  
 PID = Real-time Photoionization Detector (PID) Result in ppm



**PID Results for Excavation**

June 26, 2008

DWN:	DPS	PRGM:	DPS
DATE:	7/8/08	REV:	0

Project Number: 62403033  
 WestPoint Home  
 Clemson, South Carolina

**FIGURE 5**



Concrete Wall

**SB-2 (XX')**  
 XX=3.5-5.5', PID= 72.4  
 XX=8.5-10.5', PID= 71.2  
 XX=13.5-15.5', PID= 34.2  
 XX=18.5-20.5', PID= 29.4

**Test Pit 11 (XX')**  
 XX= 5', PID = 5.4  
 XX= 10', PID = 1,306  
 XX= 15', PID = 2.2

**SB-3A (XX')**  
 XX= 1', PID = 1.0  
 XX= 2', PID = 2.6  
 XX= 3', PID = 4.5  
 XX= 4', PID = 4.1  
 XX= 5', PID = 1.3

**SB-3 (XX')**  
 XX=3.5-5.5', PID= 111  
 XX=8.5-10.5', PID= 4.8  
 XX=13.5-15.5', PID= 4.4  
 XX=18.5-20.5', PID= 3.2

**SB-1 (3.5-5.5')**  
 XX=3.5-5.5', PID= 8.8  
 XX=8.5-10', PID= 4.4  
 XX=13.5-15.5', PID= 5.6

**Test Pit 9 (19')**  
 PID = 3.4

**SB-1 (3.5-5.5')** = Sample ID (depth) where soil was not removed  
 PID = Real-time Photoionization Detector (PID) Result in ppm

X = VOC Soil Sample Location  
 ⊕ = Soil Boring Location

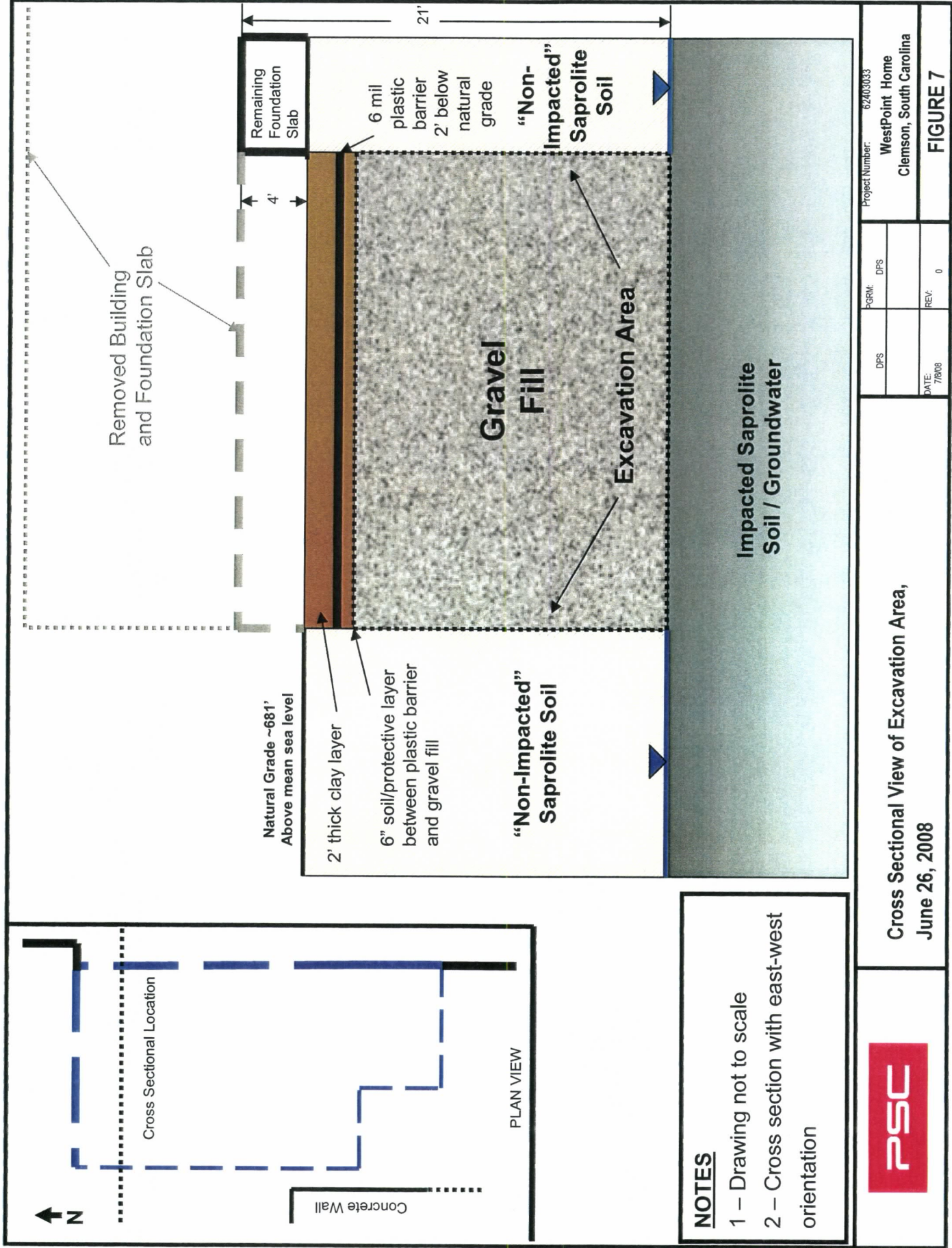


**PID Results for Test Pit Areas and Boreholes  
 South of Excavation, June 26, 2008**

DWN:	DPS	PGRM:	DPS
DATE:	7/8/08	REV:	0

Project Number: 62403033  
 WestPoint Home  
 Clemson, South Carolina

**FIGURE 6**



Project Number: 62403033  
WestPoint Home  
Clemson, South Carolina

DPS	PGRM: DPS	REV: 0
DATE: 7/30/08		

**FIGURE 7**

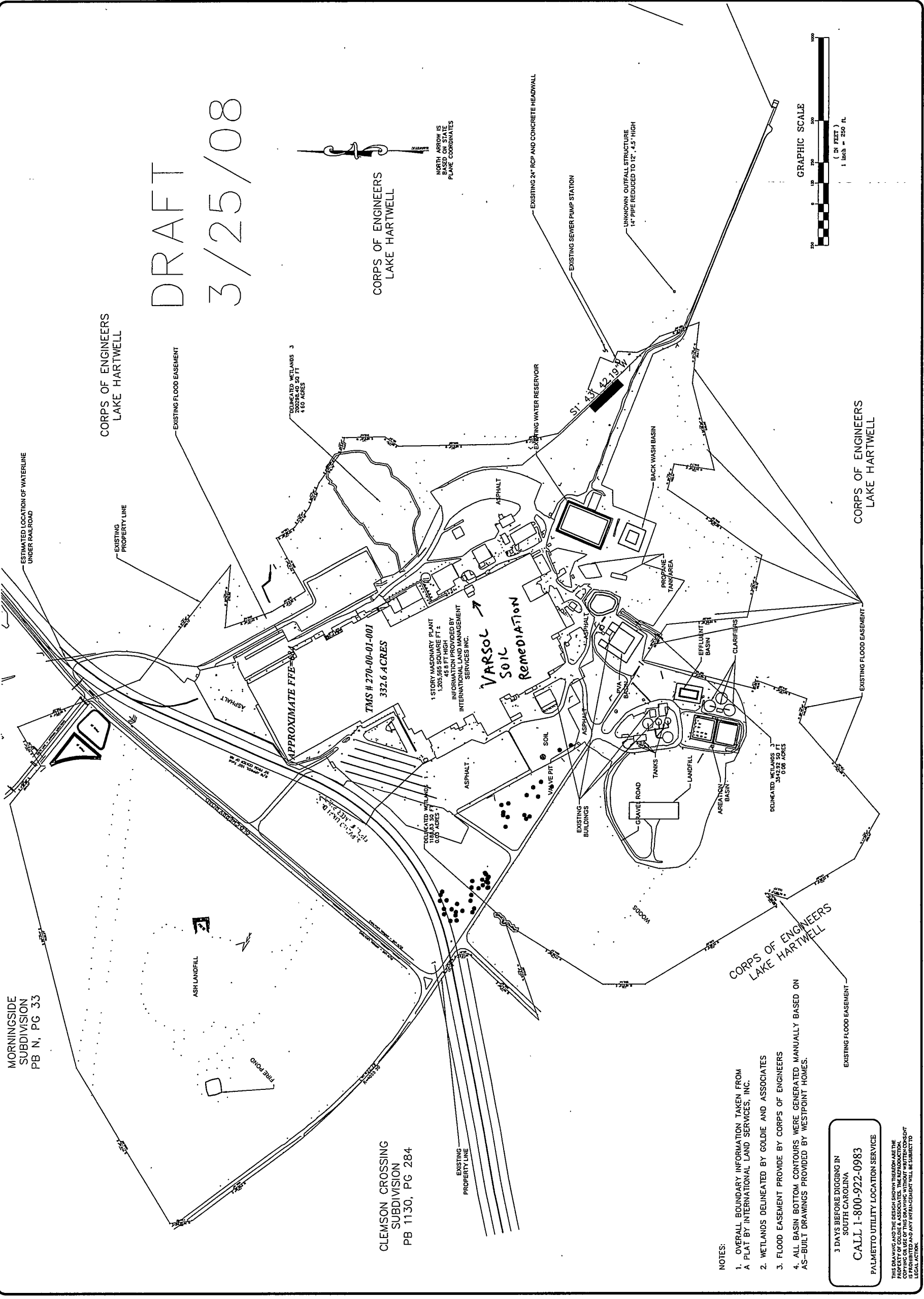


**APPENDIX A**

**Surveyed Map of Varsol Soil Remediation Area (Goldie, July 7, 2008)**

MORNINGSIDE  
SUBDIVISION  
PB N, PG 33

CLEMSON CROSSING  
SUBDIVISION  
PB 1130, PG 284



DRAFT  
3/25/08

**GOLDIE & ASSOCIATES**  
ENGINEERS & ARCHITECTS  
1572 ZION CHURCH ROAD  
HARTWELL, GEORGIA 30643  
PHONE: (706) 344-0743

WWW.GOLDIEASSOCIATES.COM

ENGINEER'S STAMP

NO.	DATE	DESCRIPTION	BY:
1	1/4/08	RELEASE FOR REVIEW	BB

CLIENT: WEST POINTE, INC  
PROJECT: HIGHTPOINTE  
SHEET TITLE: Existing Conditions Plan

SHEET NO. 1 OF 3  
FILE NO. 964.6.5

- NOTES:
1. OVERALL BOUNDARY INFORMATION TAKEN FROM A PLAT BY INTERNATIONAL LAND SERVICES, INC.
  2. WETLANDS DELINEATED BY GOLDIE AND ASSOCIATES
  3. FLOOD EASEMENT PROVIDED BY CORPS OF ENGINEERS
  4. ALL BASIN BOTTOM CONTOURS WERE GENERATED MANUALLY BASED ON AS-BUILT DRAWINGS PROVIDED BY WESTPOINT HOMES.

3 DAYS BEFORE DIGGING IN  
SOUTH CAROLINA  
CALL 1-800-922-0983  
PALMETTO UTILITY LOCATION SERVICE

THIS DRAWING AND THE DESIGN SHOWN THEREON ARE THE PROPERTY OF GOLDIE & ASSOCIATES, ENGINEERS & ARCHITECTS. NO PART OF THIS DRAWING OR DESIGN MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN CONSENT OF GOLDIE & ASSOCIATES. ANY INFRINGEMENT WILL BE SUBJECT TO LEGAL ACTION.

CLIENT	WEST POINTE, INC
PROJECT	HIGHPOINTE
SHEET TITLE	VARSOL PIT & WELL LOCATIONS
SHEET NO.	1
OF	3
FILE NO.	964.6.5

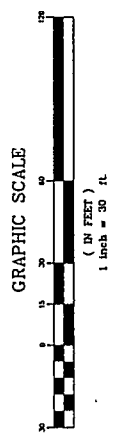
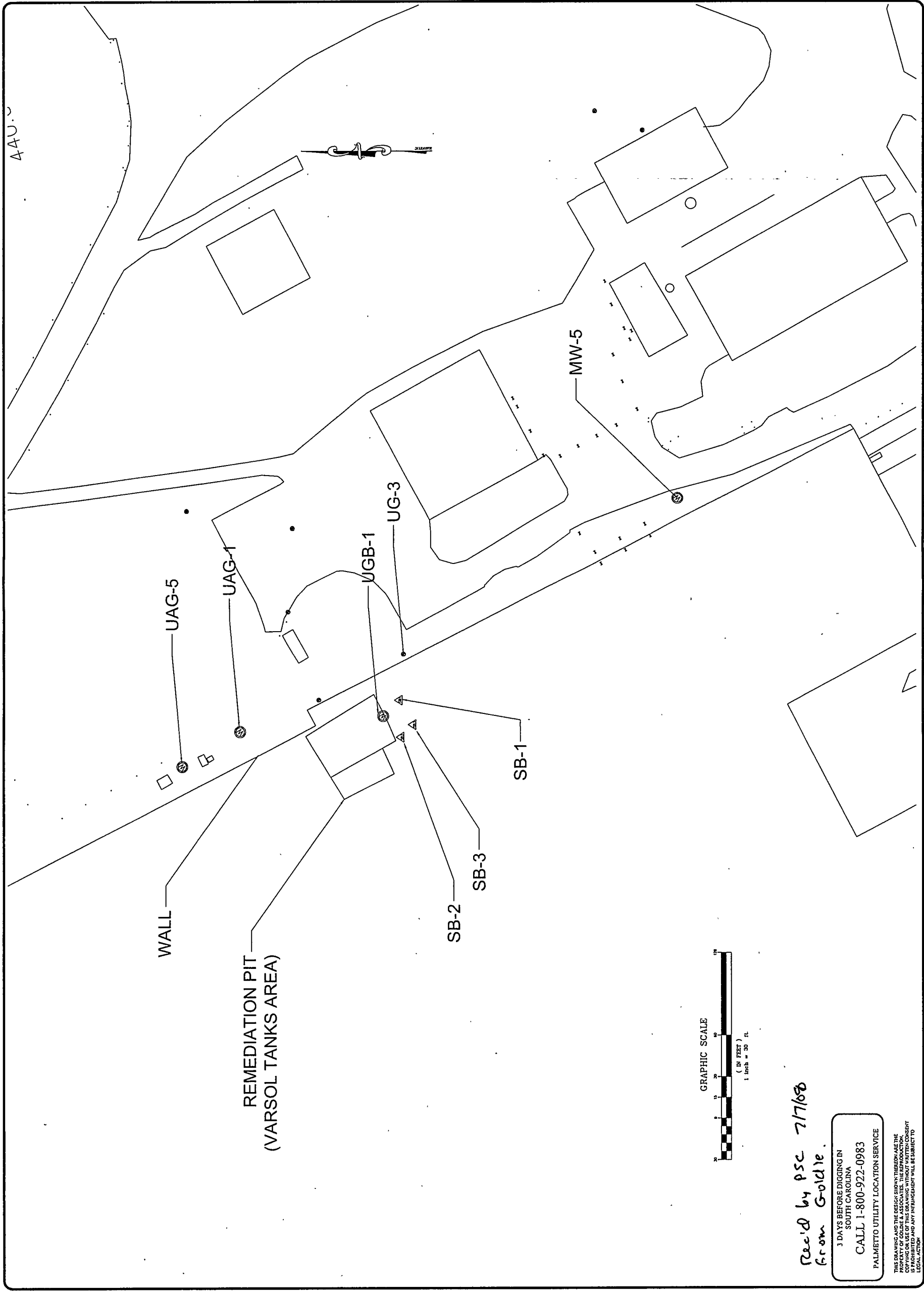
NO.	DATE	DESCRIPTION
1	1/4/08	RELEASE FOR REVIEW
BY		

ENGINEER'S STAMP

**GOLDIE & ASSOCIATES**  
 ANGELO, ENGENBERG & ASSOCIATES  
 1572 ZION CHURCH ROAD  
 HARTWELL, GEORGIA 30643  
 PHONE: (706) 244-0743  
 FAX: (706) 244-0851

210 W NORTH SECOND STREET  
 SENeca, SOUTH CAROLINA 29678  
 PHONE: (864) 882-8194  
 FAX: (864) 882-0851

www.goldieassociates.com



*Rec'd by psc 7/17/08  
 from Goldie*

3 DAYS BEFORE DIGGING IN  
 SOUTH CAROLINA  
 CALL 1-800-922-0983  
 PALMETTO UTILITY LOCATION SERVICE

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**APPENDIX B**

**Site Photo Documentation**



PSC Environmental Services  
210 West Sand Band Road  
Columbia, Illinois 62236-0230  
618) 281-7173 Fax (618) 281-7020

Project Name: WestPoint Home –  
Former Clemson Plant, Varsol Area  
Soil Remediation  
Project No: 62403033  
Location: Clemson, South Carolina

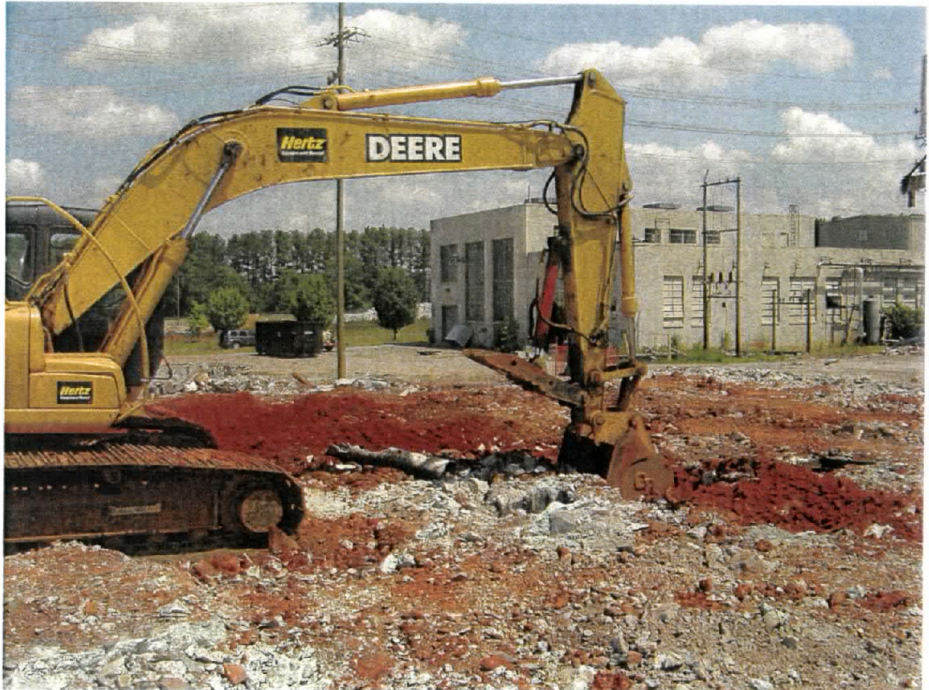
## PHOTOGRAPHS

Photographer: PSC Staff

Description:  
Post – demo, Varsol area  
at start of excavation

Date: June 2, 2008

Photo No: 1



Photographer: PSC Staff

Description:  
foundation wall along the  
east side of area to be  
excavated –note building  
grade is 3 to 4 feet above  
ground.

Date: June 2, 2008

Photo No: 2





PSC Environmental Services  
210 West Sand Band Road  
Columbia, Illinois 62236-0230  
618) 281-7173 Fax (618) 281-7020

Project Name: WestPoint Home –  
Former Clemson Plant, Varsol Area  
Soil Remediation  
Project No: 62403033  
Location: Clemson, South Carolina

## PHOTOGRAPHS

Photographer: PSC Staff

Description:  
Some large concrete  
pieces were removed –  
former building foundations  
in the excavation area.

Date: June 9, 2008  
Photo No: 3



Photographer: PSC Staff

Description:  
view to north of excavation

Date: June 9, 2008  
Photo No: 4





PSC Environmental Services  
210 West Sand Band Road  
Columbia, Illinois 62236-0230  
618) 281-7173 Fax (618) 281-7020

Project Name: WestPoint Home –  
Former Clemson Plant, Varsol Area  
Soil Remediation  
Project No: 62403033  
Location: Clemson, South Carolina

## PHOTOGRAPHS

Photographer: PSC Staff

Description:  
Addition of the  
biodegradation agent –  
OBC – to enhance  
bioremediation

Date: June 11, 2008

Photo No: 5

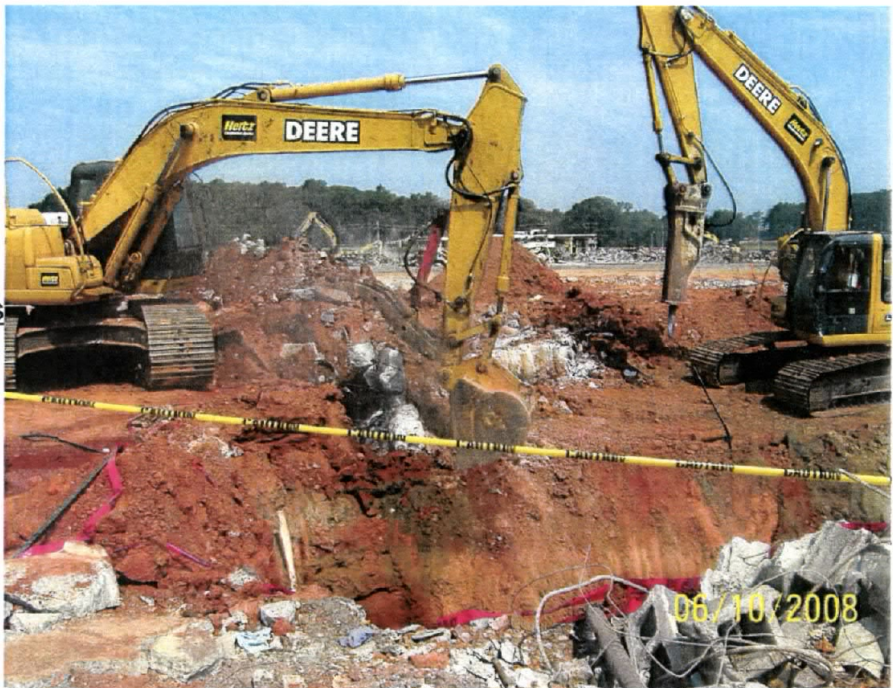


Photographer: PSC Staff

Description:  
Use of concrete breaker was  
required to remove  
unexpected concrete from as  
deep as 18 feet

Date: June 10, 2008

Photo No: 6





PSC Environmental Services  
210 West Sand Band Road  
Columbia, Illinois 62236-0230  
618) 281-7173 Fax (618) 281-7020

Project Name: WestPoint Home –  
Former Clemson Plant, Varsol Area  
Soil Remediation  
Project No: 62403033  
Location: Clemson, South Carolina

## PHOTOGRAPHS

Photographer: PSC Staff

Description:  
Concrete layer discovered  
in main excavation

Date: June 24, 2008  
Photo No: 7



Photographer: PSC Staff

Description:  
test pit 12 or 13, similar –  
to south of main excavation  
in search for PCE detected  
at SB-3

Date: June 24, 2008  
Photo No: 8





PSC Environmental Services  
210 West Sand Band Road  
Columbia, Illinois 62236-0230  
618) 281-7173 Fax (618) 281-7020

Project Name: WestPoint Home –  
Former Clemson Plant, Varsol Area  
Soil Remediation  
Project No: 62403033  
Location: Clemson, South Carolina

## PHOTOGRAPHS

Photographer: PSC Staff

Description:  
West sidewall of excavation  
prior to closure. Note  
concrete half-way down  
excavation.

Date: June 25, 2008  
Photo No: 9



Photographer: PSC Staff

Description:  
east side wall of excavation  
prior to completed backfilling  
– looking to east.

Date: June 25, 2008  
Photo No: 10





PSC Environmental Services  
210 West Sand Band Road  
Columbia, Illinois 62236-0230  
618) 281-7173 Fax (618) 281-7020

Project Name: WestPoint Home –  
Former Clemson Plant, Varsol Area

Soil Remediation

Project No: 62403033

Location: Clemson, South Carolina

## PHOTOGRAPHS

Photographer: PSC Staff

Description:  
Reach of excavation  
equipment – up to 21 feet.

Date: June 25, 2008

Photo No: 11

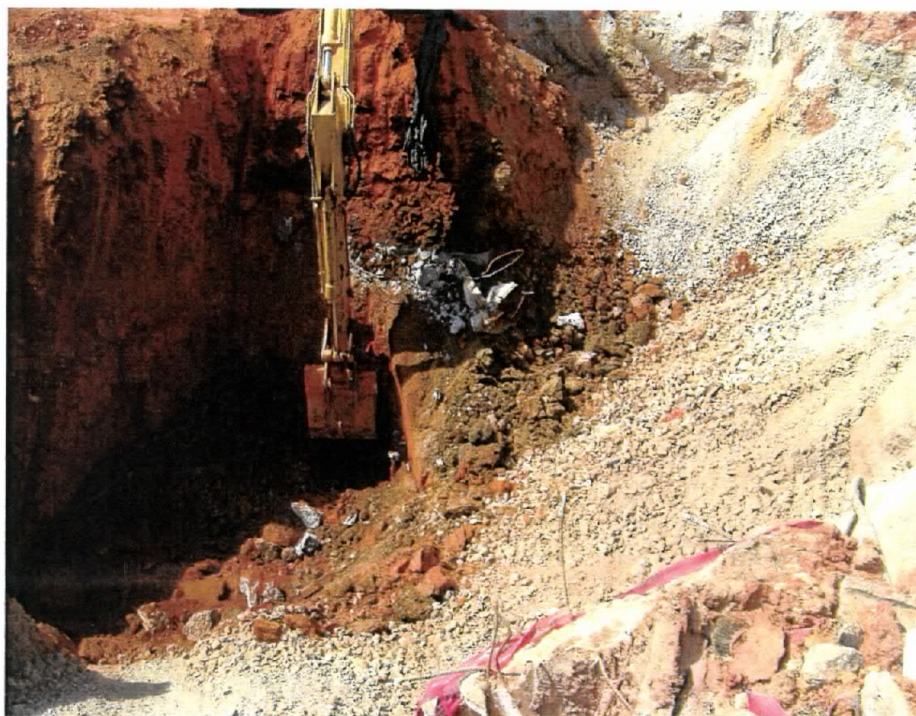


Photographer: PSC Staff

Description:  
Expansion of hole to the  
northeast on second  
mobilization

Date: June 25, 2008

Photo No: 12





PSC Environmental Services  
210 West Sand Band Road  
Columbia, Illinois 62236-0230  
618) 281-7173 Fax (618) 281-7020

Project Name: WestPoint Home –  
Former Clemson Plant, Varsol Area  
Soil Remediation  
Project No: 62403033  
Location: Clemson, South Carolina

## PHOTOGRAPHS

Photographer: PSC Staff  
Description:  
Backfilling with gravel

Date: June 27, 2008  
Photo No: 13



Photographer: PSC Staff  
Description:  
Backfilling with gravel

Date: June 27, 2008  
Photo No: 14







PSC Environmental Services  
210 West Sand Band Road  
Columbia, Illinois 62236-0230  
618) 281-7173 Fax (618) 281-7020

Project Name: WestPoint Home –  
Former Clemson Plant, Varsol Area

Soil Remediation

Project No: 62403033

Location: Clemson, South Carolina

## PHOTOGRAPHS

Photographer: PSC Staff

Description:  
Plastic cover installation in  
excavation

Date: June 27, 2008  
Photo No: 15



Photographer: PSC Staff

Description:  
placing clay over plastic

Date: June 27, 2008  
Photo No: 16





PSC Environmental Services  
210 West Sand Band Road  
Columbia, Illinois 62236-0230  
618) 281-7173 Fax (618) 281-7020

Project Name: WestPoint Home –  
Former Clemson Plant, Varsol Area

Soil Remediation

Project No: 62403033

Location: Clemson, South Carolina

## PHOTOGRAPHS

Photographer: PSC Staff

Description:  
End of project, clay cover  
over  
Excavation area.

Date: June 27, 2008

Photo No: 17



Photographer: PSC Staff

Description:  
End of project, clay cover  
over  
Excavation area. – more  
distant view showing  
foundations and demo in  
area.

Date: June 27, 2008

Photo No: 18



**APPENDIX C**

**Borehole Geologic Logs**



Project: WestPoint Homes, Inc.	Boring No.: SB-1	Page(s): 1 of 1
Client: WPH, Inc.	Project #: 62403248	Date: 6/18/08
Location: 500 W. Cherry Road, Clemson, SC	Coordinates: N E	Elevation (datum):

**BORING/WELL CONSTRUCTION LOG**

Drilling Company: **A/E**      Driller: **Lee Brown**      Logger: **Shaun Malin  
Marshall A. Lake**

Depth (ft)	SAMPLE TYPE	SAMPLE NUMBER	1ST 6"	2ND 6"	3RD 6"	4TH 6"	SAMPLE RECOVERY	WELL CONSTRUCTION SUMMARY		Surface Completion
								Depth (ft)	Casing	
	CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	ROD RECOVERY	PERCENT RECOVERY	ROD	Description		
								Modifier and Main Soil; color; impact; consistency/density; odor; moisture; USCS (Refer to Ameren Standard Descriptions)		
1-2							8.8	3.5-5.5'	Clay; dark orange; some asphalt and gravel mix; SPT = 19; very stiff; dry; CL;	
6-7							4.4	8.5-10.5'	Clay; dark orange with tan; very stiff; SPT = 26; dry; CL;	
2-3							5.6	13.5-15.5'	Clay; dark orange with tan; stiff; SPT = 13; mica flakes; dry; CL;	
7-8							N/A	18.5-20.5'	Clay; dark orange with tan; med stiff; SPT = 5; mica flakes; moist; CL; no recovery in spoon	

Notes: Submitted sample was collected in 2' split-spoon from 3.5' to 5.5'.  
 Draeger tube (PCE) collected from same interval was non-detect (<0.1 ppm).  
 Boring was abandoned in accordance with SCDHEC well standards R.61-71.  
 Screening was conducted with a MiniRae2000 PID (calibrated with 100 ppm Isobutyl)



Project: WestPoint Homes, Inc.	Boring No.: SB-2	Page(s): 1 of 1
Client: WPH, Inc.	Project #: 62403248	Date: 6/18/08
Location: 500 W. Cherry Road, Clemson, SC		Elevation (datum):
Coordinates: N E		

**BORING/WELL CONSTRUCTION LOG**

Drilling Company: A/E	Driller: Lee Brown	Logger: Shaun Malin Marshall A. Lake
--------------------------	-----------------------	--

Depth (ft)	SAMPLE TYPE	SAMPLE NUMBER	1ST 6"	2ND 6"	3RD 6"	4TH 6"	SAMPLE RECOVERY	WELL CONSTRUCTION SUMMARY		Surface Completion
								Depth (ft)	Annulus	
CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	ROD RECOVERY	PERCENT RECOVERY	ROD	PID (ppm)	Depth (ft)	Casing	Annulus
								to	to	to
1-2							72.4	3.5-5.5'	Clay; dark orange; some asphalt and gravel mix; SPT = 27; very stiff; dry; CL; only 25% recovery	
6-7							71.2	8.5-10.5'	Clay; dark orange with tan; med stiff; SPT = 6; dry; CL; only 10% recovery	
2-3							34.2	13.5-15.5'	Clay; dark orange; soft; SPT = 2; mica flakes; dry; CL; only 10% recovery	
7-8							29.4	18.5-20.5'	Clay; dark orange; soft; SPT = 4; mica flakes; moist; CL; full spoon recovered	

**Description**  
 Modifier and Main Soil; color; impact; consistency/density; odor; moisture; USCS  
 (Refer to Ameren Standard Descriptions)

Notes: Submitted sample was collected in 2' split-spoon from 3.5 to 5.5'.  
 Draeger tube (PCE) collected from same interval was non-detect (<0.1 ppm)  
 Boring was abandoned in accordance with SCDHEC well standards R.61-71.  
 Screening was conducted with a MiniRae2000 PID (calibrated with 100 ppm Isobutyl)



Project: WestPoint Homes, Inc.	Boring No.: SB-3	Page(s): 1 of 1
Client: WPH, Inc.	Project #: 62403248	Date: 6/18/08
Location: 500 W. Cherry Road, Clemson, SC	Coordinates: N E	Elevation (datum):

**BORING/WELL CONSTRUCTION LOG**

Drilling Company: A/E	Driller: Lee Brown	Logger: Shaun Malin Marshall A. Lake
--------------------------	-----------------------	--

Depth (ft)	SAMPLE TYPE	SAMPLE NUMBER	1ST 6"	2ND 6"	3RD 6"	4TH 6"	SAMPLE RECOVERY	PID (ppm)	WELL CONSTRUCTION SUMMARY		Surface Completion
									Depth (ft)	Casing	
	CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	ROD RECOVERY	PERCENT RECOVERY	ROD		Description Modifier and Main Soil; color; impact; consistency/density; odor; moisture; USCS (Refer to Ameren Standard Descriptions)		
1-1								111	3.5-5.5'	Clay; dark orange; stiff; dry; CL; gravel and asphalt fill in spoon. SPT = 10	1-1
4.8-7								4.8	8.5-10.5'	Clay; dark orange with tan; hard; dry; CL; SPT = 33	4.8-7
4.4-11.2								4.4	13.5-15.5'	Clay; dark orange with tan; stiff; dry; mica flakes; CL; SPT = 10	4.4-11.2
3.2-11.2								3.2	18.5-20.5'	Clay; dark orange with tan; med stiff; dry; mica flakes; CL; SPT = 5	3.2-11.2

Notes: Submitted sample was collected in 2' split-spoon from 3.5 to 5.5'.  
 Draeger tube (PCE) collected from same interval was non-detect (<0.1 ppm).  
 Boring was abandoned in accordance with SCDHEC well standards R.61-71.  
 Screening was conducted with a MiniRae2000 PID (calibrated with 100 ppm Isobutyl)



Project: WestPoint Homes, Inc.	Boring No.: SB-4	Page(s): 1 of 1
Client: WPH, Inc.	Project #: 62403248	Date: 6/18/08
Location: 500 W. Cherry Road, Clemson, SC		Coordinates: N E
Elevation (datum):		

**BORING/WELL CONSTRUCTION LOG**

Drilling Company: A/E	Driller: Lee Brown	Logger: Shaun Malin Marshall A. Lake
--------------------------	-----------------------	--

Depth (ft)	SAMPLE TYPE	SAMPLE NUMBER	1ST 6"	2ND 6"	3RD 6"	4TH 6"	SAMPLE RECOVERY	PID (ppm)	WELL CONSTRUCTION SUMMARY		
									Depth (ft)	Casing	Annulus
	CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	ROD RECOVERY	PERCENT RECOVERY	ROD		Description Modifier and Main Soil; color; impact; consistency/density; odor; moisture, USCS (Refer to Ameren Standard Descriptions)		
1-2								3.4	3.5-5.5'	Clay; dark orange; some asphalt and gravel mix; SPT = 15; stiff; dry; CL	
6-7								2.4	8.5-10.5'	Clay; dark orange with tan; very stiff; SPT = 19; dry; CL;	
2-3								2.6	13.5-15.5'	Clay; dark orange with tan; stiff; SPT = 13; mica flakes; dry; CL	
7-8								2.0	18.5-20.5'	Clay; dark orange with tan; soft; SPT = 4; moist; CL	

Notes: Submitted sample was collected in 2' split-spoon from 3.5 to 5.5'.  
 Draeger tube (PCE) collected from same interval was non-defect (<0.1 ppm).  
 Boring was abandoned in accordance with SCDHEC well standards R.61-71.  
 Screening was conducted with a MiniRae2000 PID (calibrated with 100 ppm Isobutyl)



Project: WestPoint Homes, Inc.	Boring No.: SB-5	Page(s): 1 of 1
Client: WPH, Inc.	Project #: 62403248	Date: 6/18/08
Location: 500 W. Cherry Road, Clemson, SC		Coordinates: N E
Elevation (datum):		

**BORING/WELL CONSTRUCTION LOG**

Drilling Company: A/E	Driller: Lee Brown	Logger: Shaun Malin Marshall A. Lake
--------------------------	-----------------------	--

Depth (ft)	SAMPLE TYPE	SAMPLE NUMBER	1ST 6"	2ND 6"	3RD 6"	4TH 6"	SAMPLE RECOVERY	PID (ppm)	WELL CONSTRUCTION SUMMARY		
									Depth (ft)	Casing	Annulus
	CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	ROD RECOVERY	PERCENT RECOVERY	ROD		Description Modifier and Main Soil; color; impact, consistency/density/, odor; moisture; USCS (Refer to Ameren Standard Descriptions)		
1-2								38.4	3.5-5.5'	Clay; dark orange; SPT = 9; stiff; dry; CL	
6-7								PEG	8.5-10.5'	Clay; dark orange with tan; very stiff; SPT = 17; dry; CL; (PID was pegged at > 9,999 ppm)	
2-3								PEG	13.5-15.5'	Clay; dark orange with tan; stiff; SPT = 9; dry; CL; (PID was pegged at > 9,999 ppm)	
7-8								553	15.5-17.5'	Clay; dark orange; SPT = 5; med stiff; moist; CL	

Notes: Submitted samples were collected in 2' split-spoons from 3.5' to 5.5' and 5.5' to 10.5'.  
 Draeger tube (PCE) collected from same intervals were non-detect (<0.1 ppm).  
 Boring was abandoned in accordance with SCDHEC well standards R.61-71.  
 Screening was conducted with a MiniRae2000 PID (calibrated with 100 ppm Isobutyl).





<b>Project:</b> WestPoint Homes, Inc.	<b>Boring No.:</b> SB-6	<b>Page(s):</b> 1 of 1
<b>Client:</b> WPH, Inc.	<b>Project #:</b> 62403248	<b>Date:</b> 6/18/08
<b>Location:</b> 500 W. Cherry Road, Clemson, SC	<b>Coordinates:</b> N E	<b>Elevation (datum):</b>

**BORING/WELL CONSTRUCTION LOG**

<b>Drilling Company:</b> A/E	<b>Driller:</b> Lee Brown	<b>Logger:</b> Shaun Malin Marshall A. Lake
---------------------------------	------------------------------	---

Depth (ft)	CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	ROD RECOVERY	PERCENT RECOVERY	ROD	PID (ppm)	WELL CONSTRUCTION SUMMARY			
									Depth (ft)	Casing	Annulus	Surface Completion
1-2								2.4	3.5-5.5'	No recovery Clay; dark brown clay fill; SPT = 4; very loose		
6-7								927	8.5-10.5'	Initial 6" of concrete; then Clay; dark orange with tan; hard; dry; CL; SPT = 52		
11-13								1,853	13.5-15.5'	Clay; dark orange with tan; med stiff; moist; CL; SPT = 7; strong odor		

**Notes:** Submitted sample was collected in 2' split-spoon from 5.5 to 10.5'.  
 Draeger tube (PCE) collected from same interval was non-detect (<0.1 ppm).  
 Boring was abandoned in accordance with SCDHEC well standards R.61-71.  
 Screening was conducted with a MiniRae2000 PID (calibrated with 100 ppm Isobutyl).



Project: WestPoint Homes, Inc.	Boring No.: SB-7	Page(s): 1 of 1
Client: WPH, Inc.	Project #: 62403248	Date: 6/18/08
Location: 500 W. Cherry Road, Clemson, SC		Coordinates: N E
Elevation (datum):		

**BORING/WELL CONSTRUCTION LOG**

Drilling Company: A/E	Driller: Lee Brown	Logger: Shaun Malin Marshall A. Lake
--------------------------	-----------------------	--

Depth (ft)	SAMPLE TYPE	SAMPLE NUMBER	1ST 6"	2ND 6"	3RD 6"	4TH 6"	SAMPLE RECOVERY	CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	ROD RECOVERY	PERCENT RECOVERY	ROD	PID (ppm)	WELL CONSTRUCTION SUMMARY		
																Depth (ft)	Casing	Surface Completion
																<b>Description</b> Modifier and Main Soil; color; impact; consistency/density; odor; moisture; USCS (Refer to Ameren Standard Descriptions)		
1-2															3.4	3.5-5.5' Clay; dark orange; very stiff; dry; CL; gravel and asphalt fill in spoon. SPT = 28		
6-7															2.8	8.5-10.5' Clay; dark orange with tan; med stiff; moist; CL; SPT = 5		
10-12															PEG	13.5-15.5' Clay; dark orange with tan; stiff; moist; mica flakes; CL; SPT = 10 (PID was pegged at > 9,999 ppm)		
16-18															7,809	18.5-20.5' Clay; dark brown; med stiff; moist; mica flakes; CL; SPT = 6		

Notes: Submitted sample was collected in 2' split-spoon from 10.5 to 15.5'.  
 Draeger tube (PCE) collected from same interval was non-detect (<0.1 ppm).  
 Boring was abandoned in accordance with SCDHEC well standards R.61-71.  
 Screening was conducted with a MiniRae2000 PID (calibrated with 100 ppm Isobutyl)

**Markley, Dale**

**From:** Shaun Malin [shaun.malin@rogersandcallcott.com]  
**Sent:** Thursday, June 26, 2008 9:06 AM  
**To:** Markley, Dale  
**Cc:** 'John Foster'  
**Subject:** RE: SPT

Prior to applying the hammer and driving the split-spoon to sample depth, the drill rod was marked off in four 6" increments. Blow counts were recorded for each 6" interval. In accordance with ASTM D 1586-84, the N-value is equal to the number of blows for the middle 12 inches. As the geologist on Site, I observed the blow counts during installation of the spoon, and calculated the SPT / N-value. The correlation of the N value to the relative consistency of fine-grained (cohesive) soils I believe is summarized in the ASTM; however, I referenced my Field Reference Soil Classification chart which includes a summary table as well.

Shaun

**From:** Markley, Dale [mailto:DMarkley@pscnow.com]  
**Sent:** Thursday, June 26, 2008 9:56 AM  
**To:** Shaun Malin  
**Subject:** SPT

please send me your details in an email on how rig did the SPT counts and your correlation to soil approx density

Dale E. Markley  
Senior Project Manager/ Senior Hydrogeologist  
**PSC Industrial Outsourcing, LP**  
210 West Sand Bank Road  
Columbia, Illinois 62236  
office (618) 281-1540  
fax (618) 281-7020  
cell (314) 971-6555  
dmarkley@pscnow.com

6/26/2008



# FIELD REFERENCE SOIL CLASSIFICATION

## MOISTURE CONTENT

Dry	Dusty, dry to the touch
Moist	Damp but no visible water near optimum
Wet	Visible free water, saturated, over optimum

TERM	GRAIN SIZE	EXAMPLES
Boulders	> 12"	> Basketball
Cobbles	3" to 12"	Fist to basketball
Gravel-coarse	3/4" to 3"	Thumb to fist
Gravel-fine	#4 to 3/4"	Pea to thumb
Sand-coarse	#10 to #4 (5 mm)	Rock salt to peat
Sand-medium	#40 to #10 (2 mm)	Sugar to rock salt
Sand-fine	#200 to #40 (0.4 mm)	Flour to sugar
Fines	< #200 (0.08 mm)	Grains not visible

## RELATIVE DENSITY OF COARSE-GRAINED (COHESIONLESS) SOILS (Cohesionless Silt, Sand, and Gravel)

N. SPT, BLOWS/FT	RELATIVE DENSITY	FIELD TEST FOR RELATIVE DENSITY OF SAND
0 to 4	Very loose	Easily penetrated with 1/2" reinforcing rod pushed by hand
4 to 10	Loose	Easily penetrated with 1/2" reinforcing rod pushed by hand
10 to 30	Medium dense	Penetrated one foot with 1/2" reinforcing rod driven with 5-lb hammer
30 to 50	Dense	Penetrated one foot with 1/2" reinforcing rod driven with 5-lb hammer
Over 50	Very dense	Penetrated only a few inches with 1/2" reinf. rod driven with 5-lb hammer

## RELATIVE CONSISTENCY OF FINE-GRAINED (COHESIVE) SOILS (Cohesive Silt, Clayey Silt, and Clay)

N. SPT, BLOWS/FT	RELATIVE CONSISTENCY	TORVANE, $\tau_f$ SHEAR STR.	POC. PEN., $\tau_f$ UNCONF. STR.	MANUAL PENETRATION TEST
< 2	Very soft	< 0.13	< 0.25	Easy several inches by fist
2 to 4	Soft	0.13 to 0.25	0.25 to 0.5	Easy several inches by thumb
4 to 8	Medium stiff	0.25 to 0.5	0.5 to 1	Moderate several inches by thumb
8 to 15	Stiff	0.5 to 1	1 to 2	Readily indented by thumb
15 to 30	Very stiff	1 to 2	2 to 4	Readily indented by thumbnail
Over 30	Hard	> 2	> 4	Difficulty by thumbnail

## UNIFIED SOIL CLASSIFICATION SYSTEM (From ASTM D 2487-90)

MAJOR DIVISIONS		GROUP SYMBOL	TYPICAL DESCRIPTION
Coarse-Grained Soils (more than 50% retained on No. 200 sieve)	Gravels (more than 50% of coarse fraction retained on No. 4 sieve)	Clean Gravels (less than 5% fines)	GW Well-Graded Gravels, Gravel-Sand Mixtures, Little or No Fines
		Gravels with Fines (more than 12% fines)	GP Poorly-Graded Gravels, Gravel-Sand Mixtures
			GM Silty Gravels, Gravel-Sand-Silt Mixtures
	Sands (50% or more of coarse fraction passes the No. 4 sieve)	Clean Sands (less than 5% fines)	SW Well-Graded Sands, Gravelly Sands, Little or No Fines
			SP Poorly-Graded Sands, Gravelly Sands, Little or No Fines
		Sands with Fines (more than 12% fines)	SM Silty Sands, Sand-Silt Mixtures
Fine-Grained Soils (50% or more passes the No. 200 sieve)	Sils and Clays (liquid limit less than 50)	Inorganic	ML Inorganic Silts and Very Fine Sands, Rock Flour, Silty or Clayey Fine Sands or Clayey Silts with Slight Plasticity
			CL Inorganic Clays of Low to Medium Plasticity, Gravelly Clays, Sandy Clays, Silty Clays, Lean Clays
		Organic	OL Organic Silts and Organic Silty Clays of Low Plasticity
	Sils and Clays (liquid limit 50 or more)	Inorganic	CH Inorganic Clays of Medium to High Plasticity, Sandy Fat Clay, Gravelly Fat Clay
			MH Inorganic Silts, Micaceous or Diatomaceous Fine Sands or Silty Soils, Elastic Silt
		Organic	OH Organic Clays of Medium to High Plasticity, Organic Silts
Highly Organic Soils	Primarily organic matter, dark in color, and organic odor	PT	Peat, Humus, Swamp Soils with High Organic Content (See D 4427-92)

## ORDER OF CLASSIFICATION TERMS

1. Moisture content (12 to 30%)  
2. Major grain size (sand)  
3. Minor grain size (0.4 to 0.075 mm)

4. Plasticity (liquid limit, plasticity index)  
5. Soil name (clay, silt, sand, gravel)

6. Geologic Name (Fill, Till, Alluvium, etc.)

7. USCS or UIC Symbol

### EXAMPLES

Very dense, light brown, slightly silty, sandy fine GRAVEL, trace of cobbles; moist; scattered roots; (Weathered Till) GP-GM.

Medium stiff, dark gray, silty CLAY, trace of fine sand; moist; laminated (< 2mm) with light gray silt, occasional slickensides; (Glaciolacustrine) CL.

Medium dense, dark brown, sandy SILT, trace of clay; wet; numerous organics and strong organic odor; (Marsh Deposits) ML.

Loose and soft, mottled black and green, silty SAND and clayey SILT; moist; hydrocarbon sheen and faint hydrocarbon odor; (Fill) SMML.

### STRUCTURE

TERM	THICKNESS
Parting	0 to 1/16"
Seam	1/16 to 1/2"
Layer	> 1/2"
Lamination	< 6 mm, < 1/4"
Pocket	Irregular, < 1 foot
Varved	Alternating seams or lam.
Occasional	< 1 per foot
Frequent	≥ 1 per foot

DESCRIPTION	CRITERIA, USL THICKNESS
Stratified	Alternating layers
Interbedded	Alternating layers > 1/2"
Laminated	All layers < 6 mm thick
Fractured	Breaks easily along definite fractured planes
Slickensided	Polished, glossy, striated fractured planes
Blocky, Diced	Easily breaks into small angular lumps
Lensed	Small pockets of diff. soils
Homogenous	Same color and appearance throughout
Sheared	Disturbed texture, mix of strengths

### ORGANIC CONTENT

ADJECTIVE	PERCENT BY VOLUME
Occasional	0 to 1
Scattered	1 to 10
Numerous	10 to 30
Organic	30 to 50, minor constituent
PEAT	50 to 100, MAJOR const.

Describe type and size of organic debris.

File: J.: Support library Field and Lab Forms Rock Log Keys and Field Reference SOIL FIELD REFERENCE (2 pages) Author: SAC Date: 06-13-2006





**APPENDIX D**

**Laboratory Data**



**ROGERS & CALLCOTT  
LABORATORY SERVICES**

**AN EMPLOYEE-OWNED COMPANY**

P.O. Box 5655, Greenville, SC 29606  
Phone: (864) 232-1556 - FAX: (864) 232-6140




*probe soil sample*

**Laboratory Services Report**

**Client:** PSC  
Attention: Dale Markley  
210 West Sand Bank Road  
Columbia Illinois 62236

**Date Received:** 05/07/2008  
**Time Received:** 17:33  
**Date Reported:** 05/15/2008

*South Carolina Laboratory Identification 23105  
North Carolina Laboratory Certificate Number 27  
NELAP Laboratory Identification E87822*

	<i>Sample Number</i>	<i>Sample Description</i>
	AC33124	PSC Varsol 1 4.0 feet grab, collected on 05/07/2008 at 10:18
	AC33125	PSC Varsol 2 4.5 feet grab, collected on 05/07/2008 at 10:35
	AC33126	PSC Varsol Bulk grab, collected on 05/07/2008 at 10:37

*The attached report is for the samples that were received and are referenced above. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements of the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty available upon request.*

*We appreciate the opportunity to be of service to you. Please contact us at (864) 232-1556 should you have any questions about this report.*

**Results released by:** *Amy J. Asmley*  
*authorized signature*

**Results reviewed by:** *SS*

---

**Sample Number****Sample Description, Date and Time Collected**

C33124

PSC Varsol 1 4.0 feet grab, collected on 05/07/2008 at 10:18

**Parameter****Result****Unit****Flag****RDL****Date/Time****Analyst****Method**

Subcontracted Sample Analysis

Completed

05/15/2008 00:00

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 23 pages for Volatiles 8260 from Accutest Laboratories.

---

**Sample Number****Sample Description, Date and Time Collected**

AC33125

PSC Varsol 2 4.5 feet grab, collected on 05/07/2008 at 10:35

**Parameter****Result****Unit****Flag****RDL****Date/Time****Analyst****Method**

Subcontracted Sample Analysis

Completed

05/15/2008 00:00

Analysis comment for Subcontracted Sample Analysis: See enclosed subcontract report which includes a total of 23 pages for Volatiles 8260 from Accutest Laboratories.

---

**Sample Number****Sample Description, Date and Time Collected**

AC33126

PSC Varsol Bulk grab, collected on 05/07/2008 at 10:37

**Parameter****Result****Unit****Flag****RDL****Date/Time****Analyst****Method**

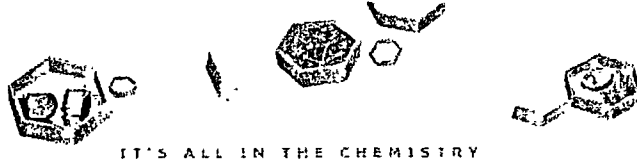
Subcontracted Sample Analysis

See Note

05/15/2008 00:00

Analysis comment for Subcontracted Sample Analysis: Sample analysis on hold per Client





IT'S ALL IN THE CHEMISTRY

05/15/08

## Technical Report for

---

Rogers & Callcott Laboratory Services

South Carolina Samples

Accutest Job Number: F57383

Sampling Date: 05/07/08

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Report to:

Rogers & Callcott Laboratory Services  
718 Lowndes Hill Rd  
Greenville, SC 29607  
shelley.gudger@rogersandcallcott.com; susan.gunter@rogersandcallcott.com

ATTN: Susan Gunter

Total number of pages in report: 23

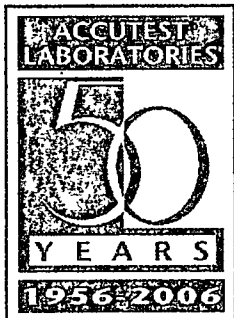


Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

*H. Behzadi*  
Harry Behzadi, Ph.D.  
Laboratory Director

Client Service contact: Aaron Ben David 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.



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### Sample Summary

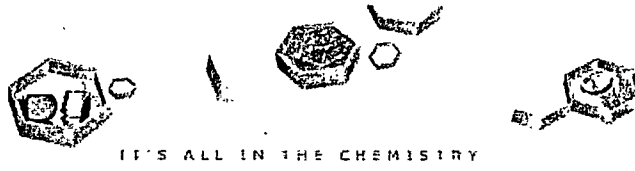
Rogers & Callcott Laboratory Services  
South Carolina Samples

Job No: F57383

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F57383-1	05/07/08	10:10 S	05/08/08	SO	Soil	VAR SOL 1 4.0'
F57383-2	05/07/08	10:35 S	05/08/08	SO	Soil	VAR SOL 2 4.5'

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Soil samples reported on a dry weight basis unless otherwise indicated on result page.



IT'S ALL IN THE CHEMISTRY



**Sample Results**

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**Report of Analysis**

---

## Report of Analysis



Client Sample ID:	VAR SOL 1 4.0'	
Lab Sample ID:	F57383-1	Date Sampled: 05/07/08
Matrix:	SO - Soil	Date Received: 05/08/08
Method:	SW846 8260B	Percent Solids: 90.4
Project:	South Carolina Samples	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0050327.D	1	05/13/08	SH	n/a	n/a	VG1907
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.67 g	5.0 ml	50.0 ul
Run #2			

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	8100	4000	ug/kg	
107-02-8	Acrolein	ND	4000	1800	ug/kg	
107-13-1	Acrylonitrile	ND	4000	1300	ug/kg	
71-43-2	Benzene	ND	810	160	ug/kg	
108-86-1	Bromobenzene	ND	810	160	ug/kg	
74-97-5	Bromochloromethane	ND	810	160	ug/kg	
75-27-4	Bromodichloromethane	ND	810	160	ug/kg	
75-25-2	Bromoform	ND	810	160	ug/kg	
104-51-8	n-Butylbenzene	ND	810	160	ug/kg	
135-98-8	sec-Butylbenzene	ND	810	180	ug/kg	
98-06-6	tert-Butylbenzene	ND	810	190	ug/kg	
108-90-7	Chlorobenzene	ND	810	160	ug/kg	
75-00-3	Chloroethane	ND	810	420	ug/kg	
67-66-3	Chloroform	ND	810	160	ug/kg	
95-49-8	o-Chlorotoluene	ND	810	190	ug/kg	
106-43-4	p-Chlorotoluene	ND	810	180	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	4000	810	ug/kg	
75-15-0	Carbon disulfide	ND	810	160	ug/kg	
56-23-5	Carbon tetrachloride	ND	810	210	ug/kg	
75-34-3	1,1-Dichloroethane	ND	810	180	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	810	160	ug/kg	
563-58-6	1,1-Dichloropropene	ND	810	160	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	810	350	ug/kg	
106-93-4	1,2-Dibromoethane	ND	810	160	ug/kg	
107-06-2	1,2-Dichloroethane	ND	810	160	ug/kg	
78-87-5	1,2-Dichloropropane	ND	810	210	ug/kg	
142-28-9	1,3-Dichloropropane	ND	810	160	ug/kg	
594-20-7	2,2-Dichloropropane	ND	810	190	ug/kg	
124-48-1	Dibromochloromethane	ND	810	160	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	810	320	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	810	160	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	810	160	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	VAR SOL 1 4.0'	Date Sampled:	05/07/08
Lab Sample ID:	F57383-1	Date Received:	05/08/08
Matrix:	SO - Soil	Percent Solids:	90.4
Method:	SW846 8260B		
Project:	South Carolina Samples		

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	810	160	ug/kg	
95-50-1	o-Dichlorobenzene	ND	810	160	ug/kg	
106-46-7	p-Dichlorobenzene	ND	810	160	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	810	160	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	810	160	ug/kg	
100-41-4	Ethylbenzene	1790	810	160	ug/kg	
591-78-6	2-Hexanone	ND	4000	1600	ug/kg	
87-68-3	Hexachlorobutadiene	ND	810	260	ug/kg	
98-82-8	Isopropylbenzene	ND	810	160	ug/kg	
99-87-6	p-Isopropyltoluene	ND	810	160	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	4000	1600	ug/kg	
74-83-9	Methyl bromide	ND	810	290	ug/kg	
74-87-3	Methyl chloride	ND	810	320	ug/kg	
74-95-3	Methylene bromide	ND	810	160	ug/kg	
75-09-2	Methylene chloride <sup>a</sup>	2170	1600	810	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	4000	1600	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	810	160	ug/kg	
91-20-3	Naphthalene	ND	810	320	ug/kg	
103-65-1	n-Propylbenzene	ND	810	180	ug/kg	
100-42-5	Styrene	ND	810	160	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	810	160	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	810	160	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	810	210	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	810	160	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	810	320	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	810	310	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	810	180	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	810	180	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	810	160	ug/kg	
127-18-4	Tetrachloroethylene	ND	810	160	ug/kg	
108-88-3	Toluene	ND	810	160	ug/kg	
79-01-6	Trichloroethylene	ND	810	160	ug/kg	
75-69-4	Trichlorofluoromethane	ND	810	260	ug/kg	
75-01-4	Vinyl chloride	ND	810	230	ug/kg	
108-05-4	Vinyl Acetate	ND	4000	810	ug/kg	
	m,p-Xylene	8800	1600	180	ug/kg	
95-47-6	o-Xylene	2030	810	160	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

2.1  
2

Client Sample ID: VARSOL 1 4.0' Lab Sample ID: F57383-1 Matrix: SO - Soil Method: SW846 8260B Project: South Carolina Samples	Date Sampled: 05/07/08 Date Received: 05/08/08 Percent Solids: 90.4
---	---

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	100%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

2.2  
2

Client Sample ID:	VAR SOL 2 4.5'	Date Sampled:	05/07/08
Lab Sample ID:	F57383-2	Date Received:	05/08/08
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8260B		
Project:	South Carolina Samples		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0050328.D	1	05/13/08	SH	n/a	n/a	VG1907
Run #2							

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.71 g	5.0 ml	50.0 ul
Run #2			

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5700	2800	ug/kg	
107-02-8	Acrolein	ND	2800	1200	ug/kg	
107-13-1	Acrylonitrile	ND	2800	890	ug/kg	
71-43-2	Benzene	ND	570	110	ug/kg	
108-86-1	Bromobenzene	ND	570	110	ug/kg	
74-97-5	Bromochloromethane	ND	570	110	ug/kg	
75-27-4	Bromodichloromethane	ND	570	110	ug/kg	
75-25-2	Bromoform	ND	570	110	ug/kg	
104-51-8	n-Butylbenzene	ND	570	110	ug/kg	
135-98-8	sec-Butylbenzene	ND	570	120	ug/kg	
98-06-6	tert-Butylbenzene	ND	570	140	ug/kg	
108-90-7	Chlorobenzene	ND	570	110	ug/kg	
75-00-3	Chloroethane	ND	570	290	ug/kg	
67-66-3	Chloroform	ND	570	110	ug/kg	
95-49-8	o-Chlorotoluene	ND	570	140	ug/kg	
106-43-4	p-Chlorotoluene	ND	570	120	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	2800	570	ug/kg	
75-15-0	Carbon disulfide	ND	570	110	ug/kg	
56-23-5	Carbon tetrachloride	ND	570	150	ug/kg	
75-34-3	1,1-Dichloroethane	ND	570	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	570	110	ug/kg	
563-58-6	1,1-Dichloropropene	ND	570	110	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	570	250	ug/kg	
106-93-4	1,2-Dibromoethane	ND	570	110	ug/kg	
107-06-2	1,2-Dichloroethane	ND	570	110	ug/kg	
78-87-5	1,2-Dichloropropane	ND	570	150	ug/kg	
142-28-9	1,3-Dichloropropane	ND	570	110	ug/kg	
594-20-7	2,2-Dichloropropane	ND	570	140	ug/kg	
124-48-1	Dibromochloromethane	ND	570	110	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	570	230	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	570	110	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	570	110	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	VAR SOL 2 4.5'	Date Sampled:	05/07/08
Lab Sample ID:	F57383-2	Date Received:	05/08/08
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8260B		
Project:	South Carolina Samples		

## VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	570	110	ug/kg	
95-50-1	o-Dichlorobenzene	ND	570	110	ug/kg	
106-46-7	p-Dichlorobenzene	ND	570	110	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	570	110	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	570	110	ug/kg	
100-41-4	Ethylbenzene	6430	570	110	ug/kg	
591-78-6	2-Hexanone	ND	2800	1100	ug/kg	
87-68-3	Hexachlorobutadiene	ND	570	180	ug/kg	
98-82-8	Isopropylbenzene	ND	570	110	ug/kg	
99-87-6	p-Isopropyltoluene	ND	570	110	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	2800	1100	ug/kg	
74-83-9	Methyl bromide	ND	570	200	ug/kg	
74-87-3	Methyl chloride	ND	570	230	ug/kg	
74-95-3	Methylene bromide	ND	570	110	ug/kg	
75-09-2	Methylene chloride <sup>a</sup>	1500	1100	570	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	2800	1100	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	570	110	ug/kg	
91-20-3	Naphthalene	ND	570	230	ug/kg	
103-65-1	n-Propylbenzene	ND	570	120	ug/kg	
100-42-5	Styrene	ND	570	110	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	570	110	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	570	110	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	570	150	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	570	110	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	570	230	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	570	210	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	570	120	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	206	570	120	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	181	570	110	ug/kg	J
127-18-4	Tetrachloroethylene	1450	570	110	ug/kg	
108-88-3	Toluene	121	570	110	ug/kg	J
79-01-6	Trichloroethylene	115	570	110	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	570	180	ug/kg	
75-01-4	Vinyl chloride	ND	570	160	ug/kg	
108-05-4	Vinyl Acetate	ND	2800	570	ug/kg	
	m,p-Xylene	26900	1100	120	ug/kg	
95-47-6	o-Xylene	6550	570	110	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VAR SOL 2 4.5'	
Lab Sample ID:	F57383-2	Date Sampled: 05/07/08
Matrix:	SO - Soil	Date Received: 05/08/08
Method:	SW846 8260B	Percent Solids: 88.0
Project:	South Carolina Samples	

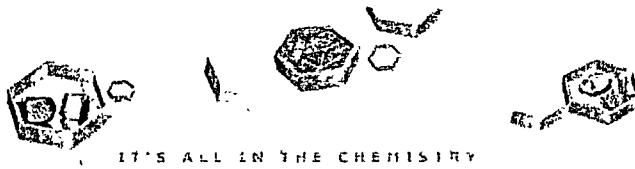
VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	101%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



IT'S ALL IN THE CHEMISTRY



## Misc. Forms

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## Custody Documents and Other Forms

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Includes the following where applicable:

- Certification Exceptions
- Chain of Custody



# ROGERS & CALLCOTT LABORATORY SERVICES

P.O. Box 5655, Greenville, SC 29606  
Phone (864) 232-1556 Fax (864) 232-6140  
Shipping Address: 426 Fairforest Way,  
GVL, SC 29607

Client Name Rogers & Callcott

Address \_\_\_\_\_

Report To: John Foster

Telephone No. \_\_\_\_\_ FAX No. \_\_\_\_\_

PO No. \_\_\_\_\_ Project No. \_\_\_\_\_

## CHAIN OF CUSTODY RECORD

**F57383** PAGE \_\_\_\_ OF \_\_\_\_

Total Number of Containers		N →							Filtered (Yes/No)
		Y →							Cooled (Yes/No)
		G/P							Container Type (E/G)
		40							Container Volume
		G →							Sample Type (Grab/Composite)
		will →							Sample Source (WW, GW, DW, Other)
		N →							Sample Source Chlorinated (Yes/No)
									Lab Receipt Cl <sub>2</sub> Check
									Lab Receipt pH Check
									Preserved (Code)

A=None D=NOH G=Baric Acid  
B=HNO<sub>3</sub> E=HCL H=Ascorbic Acid  
C=H<sub>2</sub>SO<sub>4</sub> F=Na<sub>2</sub>S<sub>2</sub>O<sub>8</sub> I=

COMMENTS:

Rogers & Callcott Lab No.	Yr. 08 Date	Time	Sample Description
1	5/7	1018	Varsol 1 4.0' AC33124
2	I	1035	Varsol 2 4.5' AC33125
3	I	1037	Varsol BULK AC33126

PARAMETERS	8240B	VOCS FULL LIST	VOA
	5	1	
	4	1	

\* ON HOLD  
4 or 3 vials preserved w/  
NaHSO<sub>4</sub>, 1 preserved w/  
MeOH  
5/14 ↓  
RESULTS IN 5 BUSINESS DAYS

SAMPLER Relinquished by (Sig.) ① <u>Stepleton</u>	Date/Time 5/7/08 1735	Received by (Sig.) ② <u>UPS</u>	Date/Time 5/7/08 1735
Relinquished by (Sig.) ③ <u>FEDEX</u>	Date/Time	Received by (Sig.) ④ <u>FELIX MARTINEZ (ALSC)</u>	Date/Time 5/8/08 0900
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥	Date/Time

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample  
At time of collection 3.0 °C  
At time of lab receipt \_\_\_\_\_ °C

Seal # \_\_\_\_\_ at'chd by \_\_\_\_\_ Recvd. Intact by \_\_\_\_\_ Seal # \_\_\_\_\_ at'chd by \_\_\_\_\_ Recvd. Intact by \_\_\_\_\_

Form Revised July 1999

R/C COC FORM

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F57383 CLIENT: Rogers & Callcott PROJECT: ? #
DATE/TIME RECEIVED: 05-08-08 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS: 864063349577

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
CHAIN OF CUSTODY NOT RECEIVED (COC)
ANALYSIS REQUESTED IS UNCLEAR OR MISSING
SAMPLE DATES OR TIMES UNCLEAR OR MISSING
TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
TRIP BLANK NOT PROVIDED
TRIP BLANK NOT ON COC
TRIP BLANK INTACT
TRIP BLANK NOT INTACT
RECEIVED WATER TRIP BLANK
RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

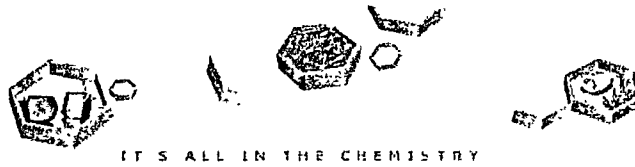
- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
CORRECT NUMBER OF CONTAINERS USED
SAMPLE RECEIVED IMPROPERLY PRESERVED
INSUFFICIENT VOLUME FOR ANALYSIS
TIMES ON COC DOES NOT MATCH LABEL(S)
ID'S ON COC DOES NOT MATCH LABEL(S)
VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
UNCLEAR FILTERING INSTRUCTIONS
UNCLEAR COMPOSITING INSTRUCTIONS
SAMPLE CONTAINER(S) RECEIVED BROKEN
% SOLIDS JAR NOT RECEIVED
5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
RESIDUAL CHLORINE PRESENT
(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 0
NUMBER OF 5035 FIELD KITS ? 2
NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: COC missing, Project name.

TECHNICIAN SIGNATURE/DATE F.M. 05-08-08 TECHNICIAN SIGNATURE/DATE E.T. 5-4-08 ASBD 12/17/07



## GC/MS Volatiles

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## QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

# Method Blank Summary

Job Number: F57383  
 Account: RCLSSCG Rogers & Callcott Laboratory Services  
 Project: South Carolina Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG1907-MB	G0050316.D 1		05/13/08	SH	n/a	n/a	VG1907

4.1  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F57383-1, F57383-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
107-02-8	Acrolein	ND	25	11	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.9	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.6	ug/kg	
67-66-3	Chloroform	ND	5.0	1.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.2	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	

# Method Blank Summary

Job Number: F57383  
 Account: RCLSSCG Rogers & Callcott Laboratory Services  
 Project: South Carolina Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG1907-MB	G0050316.D	1	05/13/08	SH	n/a	n/a	VG1907

4.1  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F57383-1, F57383-2

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.8	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.0	ug/kg	
75-09-2	Methylene chloride	8.0	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.1	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	25	5.0	ug/kg	
	m,p-Xylene	ND	10	1.1	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	



# Method Blank Summary

Job Number: F57383  
Account: RCLSSCG Rogers & Callcott Laboratory Services  
Project: South Carolina Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG1907-MB	G0050316.D	1	05/13/08	SH	n/a	n/a	VG1907

4.1  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F57383-1, F57383-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	88%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	77-123%

# Blank Spike Summary

Job Number: F57383  
 Account: RCLSSCG Rogers & Callcott Laboratory Services  
 Project: South Carolina Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG1907-BS	G0050315.D 1		05/13/08	SH	n/a	n/a	VG1907

4.2

The QC reported here applies to the following samples:

Method: SW846 8260B

F57383-1, F57383-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	238	95	61-144
107-02-8	Acrolein	250	88.2	35	27-156
107-13-1	Acrylonitrile	250	283	113	55-144
71-43-2	Benzene	50	57.5	115	78-130
108-86-1	Bromobenzene	50	50.7	101	78-123
74-97-5	Bromochloromethane	50	48.6	97	72-122
75-27-4	Bromodichloromethane	50	53.8	108	73-122
75-25-2	Bromoform	50	44.8	90	70-139
104-51-8	n-Butylbenzene	50	53.7	107	80-138
135-98-8	sec-Butylbenzene	50	51.8	104	82-132
98-06-6	tert-Butylbenzene	50	50.1	100	79-130
108-90-7	Chlorobenzene	50	52.7	105	83-122
75-00-3	Chloroethane	50	77.7	155*	61-153
67-66-3	Chloroform	50	58.2	116	79-129
95-49-8	o-Chlorotoluene	50	48.9	98	77-123
106-43-4	p-Chlorotoluene	50	49.2	98	78-129
110-75-8	2-Chloroethyl vinyl ether	250	241	96	52-142
75-15-0	Carbon disulfide	50	59.3	119	61-142
56-23-5	Carbon tetrachloride	50	58.9	118	79-135
75-34-3	1,1-Dichloroethane	50	58.6	117	77-132
75-35-4	1,1-Dichloroethylene	50	58.6	117	66-132
563-58-6	1,1-Dichloropropene	50	58.0	116	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	45.3	91	67-129
106-93-4	1,2-Dibromoethane	50	44.3	89	77-126
107-06-2	1,2-Dichloroethane	50	54.9	110	78-129
78-87-5	1,2-Dichloropropane	50	51.9	104	74-127
142-28-9	1,3-Dichloropropane	50	46.1	92	78-118
594-20-7	2,2-Dichloropropane	50	60.5	121	80-137
124-48-1	Dibromochloromethane	50	49.6	99	78-117
75-71-8	Dichlorodifluoromethane	50	55.7	111	35-162
156-59-2	cis-1,2-Dichloroethylene	50	55.3	111	74-123
10061-01-5	cis-1,3-Dichloropropene	50	56.4	113	79-130
541-73-1	m-Dichlorobenzene	50	52.0	104	82-126
95-50-1	o-Dichlorobenzene	50	49.3	99	83-123
106-46-7	p-Dichlorobenzene	50	50.5	101	84-124
156-60-5	trans-1,2-Dichloroethylene	50	58.4	117	77-129

# Blank Spike Summary

Job Number: F57383  
 Account: RCLSSCG Rogers & Callcott Laboratory Services  
 Project: South Carolina Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG1907-BS	G0050315.D	1	05/13/08	SH	n/a	n/a	VG1907

4.2  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F57383-1, F57383-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	50	48.6	97	87-131
100-41-4	Ethylbenzene	50	51.6	103	82-124
591-78-6	2-Hexanone	250	242	97	67-130
87-68-3	Hexachlorobutadiene	50	50.2	100	77-150
98-82-8	Isopropylbenzene	50	54.9	110	82-133
99-87-6	p-Isopropyltoluene	50	52.0	104	82-132
108-10-1	4-Methyl-2-pentanone	250	239	96	69-125
74-83-9	Methyl bromide	50	68.1	136	60-146
74-87-3	Methyl chloride	50	57.0	114	58-163
74-95-3	Methylene bromide	50	55.6	111	75-128
75-09-2	Methylene chloride	50	63.7	127	62-140
78-93-3	Methyl ethyl ketone	250	254	102	66-134
1634-04-4	Methyl Tert Butyl Ether	50	49.3	99	70-131
91-20-3	Naphthalene	50	49.4	99	59-143
103-65-1	n-Propylbenzene	50	50.9	102	78-129
100-42-5	Styrene	50	51.5	103	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.5	101	81-121
71-55-6	1,1,1-Trichloroethane	50	61.3	123	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	48.1	96	70-128
79-00-5	1,1,2-Trichloroethane	50	45.2	90	76-118
87-61-6	1,2,3-Trichlorobenzene	50	52.1	104	78-136
96-18-4	1,2,3-Trichloropropane	50	44.6	89	74-125
120-82-1	1,2,4-Trichlorobenzene	50	51.4	103	82-137
95-63-6	1,2,4-Trimethylbenzene	50	50.6	101	77-129
108-67-8	1,3,5-Trimethylbenzene	50	51.0	102	79-129
127-18-4	Tetrachloroethylene	50	54.3	109	79-132
108-88-3	Toluene	50	49.5	99	80-123
79-01-6	Trichloroethylene	50	58.6	117	78-132
75-69-4	Trichlorofluoromethane	50	71.6	143	67-149
75-01-4	Vinyl chloride	50	55.9	112	60-145
108-05-4	Vinyl Acetate	250	347	139	25-164
	m,p-Xylene	100	105	105	82-128
95-47-6	o-Xylene	50	50.6	101	82-126

# Blank Spike Summary

Job Number: F57383  
Account: RCLSSCG Rogers & Callcott Laboratory Services  
Project: South Carolina Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG1907-BS	G0050315.D	1	05/13/08	SH	n/a	n/a	VG1907

4.2  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F57383-1, F57383-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	109%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	108%	77-123%

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F57383  
 Account: RCLSSCG Rogers & Callcott Laboratory Services  
 Project: South Carolina Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F57363-2MS	G0050321.D	1	05/13/08	SH	n/a	n/a	VG1907
F57363-2MSD	G0050322.D	1	05/13/08	SH	n/a	n/a	VG1907
F57363-2	G0050318.D	1	05/13/08	SH	n/a	n/a	VG1907

The QC reported here applies to the following samples:

Method: SW846 8260B

F57383-1, F57383-2

CAS No.	Compound	F57363-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		285	156	55*	142	49*	9	61-144/29
107-02-8	Acrolein	ND		285	28.5	10*	ND	0*	200*	27-156/39
107-13-1	Acrylonitrile	ND		285	187	66	172	60	8	55-144/24
71-43-2	Benzene	ND		57	65.9	116	62.5	108	5	78-130/25
108-86-1	Bromobenzene	ND		57	61.7	108	57.9	100	6	78-123/30
74-97-5	Bromochloromethane	ND		57	49.7	87	45.7	79	8	72-122/23
75-27-4	Bromodichloromethane	ND		57	55.9	98	53.1	92	5	73-122/25
75-25-2	Bromoform	ND		57	39.9	70	36.2	63*	10	70-139/26
104-51-8	n-Butylbenzene	ND		57	43.1	76*	42.6	74*	1	80-138/31
135-98-8	sec-Butylbenzene	ND		57	53.6	94	51.2	89	5	82-132/29
98-06-6	tert-Butylbenzene	ND		57	56.0	98	54.5	94	3	79-130/29
108-90-7	Chlorobenzene	ND		57	60.1	105	56.9	98	5	83-122/23
75-00-3	Chloroethane	ND		57	91.3	160*	88.4	153	3	61-153/31
67-66-3	Chloroform	ND		57	65.5	115	60.7	105	8	79-129/27
95-49-8	o-Chlorotoluene	ND		57	59.4	104	59.6	103	0	77-123/31
106-43-4	p-Chlorotoluene	ND		57	58.2	102	56.2	97	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		285	225	79	200	69	12	52-142/25
75-15-0	Carbon disulfide	ND		57	64.7	114	60.7	105	6	61-142/27
56-23-5	Carbon tetrachloride	ND		57	65.1	114	60.1	104	8	79-135/29
75-34-3	1,1-Dichloroethane	ND		57	64.5	113	62.7	109	3	77-132/26
75-35-4	1,1-Dichloroethylene	ND		57	66.6	117	62.2	108	7	66-132/27
563-58-6	1,1-Dichloropropene	ND		57	63.7	112	61.2	106	4	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		57	34.8	61*	32.5	56*	7	67-129/29
106-93-4	1,2-Dibromoethane	ND		57	40.8	72*	37.4	65*	9	77-126/24
107-06-2	1,2-Dichloroethane	ND		57	54.6	96	50.0	87	9	78-129/24
78-87-5	1,2-Dichloropropane	ND		57	58.7	103	55.4	96	6	74-127/27
142-28-9	1,3-Dichloropropane	ND		57	46.4	81	43.2	75*	7	78-118/26
594-20-7	2,2-Dichloropropane	ND		57	66.0	116	65.0	113	2	80-137/28
124-48-1	Dibromochloromethane	ND		57	51.3	90	46.7	81	9	78-117/27
75-71-8	Dichlorodifluoromethane	ND		57	62.9	110	60.1	104	5	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		57	60.9	107	56.1	97	8	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		57	57.6	101	52.7	91	9	79-130/23
541-73-1	m-Dichlorobenzene	ND		57	57.3	101	52.8	91	8	82-126/29
95-50-1	o-Dichlorobenzene	ND		57	52.4	92	49.9	86	5	83-123/28
106-46-7	p-Dichlorobenzene	ND		57	57.7	101	54.5	94	6	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		57	65.3	115	60.8	105	7	77-129/27

4.3  
4

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F57383  
 Account: RCLSSCG Rogers & Callcott Laboratory Services  
 Project: South Carolina Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F57363-2MS	G0050321.D	1	05/13/08	SH	n/a	n/a	VG1907
F57363-2MSD	G0050322.D	1	05/13/08	SH	n/a	n/a	VG1907
F57363-2	G0050318.D	1	05/13/08	SH	n/a	n/a	VG1907

4.3  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F57383-1, F57383-2

CAS No.	Compound	F57363-2 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND	57	49.8	87	46.7	81*	6	87-131/27
100-41-4	Ethylbenzene	ND	57	58.2	102	56.8	98	2	82-124/25
591-78-6	2-Hexanone	ND	285	173	61*	163	56*	6	67-130/29
87-68-3	Hexachlorobutadiene	ND	57	23.1	41*	22.5	39*	3	77-150/36
98-82-8	Isopropylbenzene	ND	57	56.9	100	55.7	96	2	82-133/27
99-87-6	p-Isopropyltoluene	5.6	57	53.4	84	53.6	83	0	82-132/29
108-10-1	4-Methyl-2-pentanone	ND	285	193	68*	176	61*	9	69-125/24
74-83-9	Methyl bromide	ND	57	86.1	151*	81.4	141	6	60-146/31
74-87-3	Methyl chloride	ND	57	64.1	112	59.9	104	7	58-163/26
74-95-3	Methylene bromide	ND	57	54.4	95	50.9	88	7	75-128/26
75-09-2	Methylene chloride	ND	57	70.8	124	64.6	112	9	62-140/25
78-93-3	Methyl ethyl ketone	ND	285	170	60*	153	53*	11	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND	57	48.1	84	45.1	78	6	70-131/25
91-20-3	Naphthalene	ND	57	37.0	65	34.1	59	8	59-143/31
103-65-1	n-Propylbenzene	ND	57	58.8	103	59.6	103	1	78-129/29
100-42-5	Styrene	ND	57	53.7	94	51.4	89	4	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND	57	56.3	99	53.2	92	6	81-121/25
71-55-6	1,1,1-Trichloroethane	ND	57	69.3	122	65.7	114	5	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND	57	49.3	86	47.2	82	4	70-128/30
79-00-5	1,1,2-Trichloroethane	ND	57	48.7	85	44.8	78	8	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND	57	42.8	75*	33.7	58*	24	78-136/34
96-18-4	1,2,3-Trichloropropane	ND	57	42.5	75	43.7	76	3	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND	57	39.1	69*	35.4	61*	10	82-137/32
95-63-6	1,2,4-Trimethylbenzene	ND	57	56.9	100	56.4	98	1	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND	57	59.7	105	59.0	102	1	79-129/31
127-18-4	Tetrachloroethylene	ND	57	60.5	106	57.9	100	4	79-132/27
108-88-3	Toluene	ND	57	60.2	106	55.2	96	9	80-123/26
79-01-6	Trichloroethylene	ND	57	64.8	114	63.4	110	2	78-132/28
75-69-4	Trichlorofluoromethane	ND	57	80.8	142	77.6	134	4	67-149/29
75-01-4	Vinyl chloride	ND	57	67.2	118	64.9	112	3	60-145/29
108-05-4	Vinyl Acetate	ND	285	88.3	31	75.7	26	15	25-164/35
	m,p-Xylene	ND	114	117	103	114	99	3	82-128/25
95-47-6	o-Xylene	ND	57	56.5	99	55.3	96	2	82-126/25

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F57383  
 Account: RCLSSCG Rogers & Callcott Laboratory Services  
 Project: South Carolina Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F57363-2MS	G0050321.D	1	05/13/08	SH	n/a	n/a	VG1907
F57363-2MSD	G0050322.D	1	05/13/08	SH	n/a	n/a	VG1907
F57363-2	G0050318.D	1	05/13/08	SH	n/a	n/a	VG1907

4.3  


The QC reported here applies to the following samples:

Method: SW846 8260B

F57383-1, F57383-2

CAS No.	Surrogate Recoveries	MS	MSD	F57363-2	Limits
1868-53-7	Dibromofluoromethane	102%	102%	107%	80-121%
2037-26-5	Toluene-D8	96%	95%	94%	71-130%
460-00-4	4-Bromofluorobenzene	103%	103%	105%	59-148%
17060-07-0	1,2-Dichloroethane-D4	95%	92%	96%	77-123%



# ROGERS & CALCOTT LABORATORY SERVICES

P.O. Box 5655, Greenville, SC 29606  
 Phone (864) 232-1556 Fax (864) 232-6140  
 Shipping Address: 718 Lowndes Hill Road  
 Greenville, SC 29607

INSTRUMENTS, REPAIRS, SERVICE

ANALYTICAL CHEMISTRY

Client Name PSC  
 Address \_\_\_\_\_  
 Report To: Dale Monkley  
 Telephone No. \_\_\_\_\_ FAX No. \_\_\_\_\_  
 PO No. \_\_\_\_\_ Project No. 07-048

Rogers & Calcott Lab No.	Yr. Date	Time	Sample Description
AC 33124	5-7	1018	Varsol 1 40'
33125	1035		Varsol 2 4.5'
33120	1037		Varsol Bulk

SAMPLER	Date/Time	Received by (Sig.)	Shipper Name & #
Relinquished by (Sig.) ① <u>[Signature]</u>	5-7-08 1733	② <u>[Signature]</u>	Shipper Name & # ④ _____
Relinquished by (Sig.) ③ _____	Date/Time	Received by (Sig.)	Shipper Name & # ⑥ _____
Relinquished by (Sig.) ⑤ _____	Date/Time	Received by (Sig.)	Shipper Name & #

PARAMETERS	Date/Time	KNOWN HAZARDS ASSOCIATED WITH SAMPLES
IA		
VOA		
ES200		
VOCS Filter		
6	5/1	On Hold
5	4/1	4 or 3 Vials present with NaHSO <sub>4</sub> . 1 present with MeOH
		Results in 5 business days

Total Number of Containers	Filtered (Yes/No)	Cooled (Yes/No)	Container Type (P/G)	Container Volume	Sample Type (Grab/Composite)	Sample Source (WW, GW, DW, Other)	Sample Source Chlorinated (Yes/No)	Lab Receipt Cl, Check	Lab Receipt pH Check	Preserved (Code)	Comments
	N	Y	G-P	40 Gall						A-None B-HNO <sub>3</sub> C-H <sub>2</sub> SO <sub>4</sub>	
	N	Y	G-P	40 Gall						D-NaOH E-HCL F-Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub> G-Boric Acid H-Ascorbic Acid I-Ascorbic Acid	

Seal # \_\_\_\_\_ at'chd by \_\_\_\_\_ Recvd. Intact by \_\_\_\_\_ Seal # \_\_\_\_\_ at'chd by \_\_\_\_\_ Recvd. Intact by \_\_\_\_\_  
 Form Revised July 1999 R/C COC FORM





**ROGERS & CALLCOTT  
LABORATORY SERVICES**

**AN EMPLOYEE-OWNED COMPANY**

P.O. Box 5655, Greenville, SC 29606










Phone: (864) 232-1556 - FAX: (864) 232-6140

**Laboratory Services Report**

**Client:** PSC  
Attention: Dale Markley  
210 West Sand Bank Road  
Columbia Illinois 62236

**Date Received:** 06/19/2008  
**Time Received:** 08:00  
**Date Reported:** 06/26/2008

*South Carolina Laboratory Identification 23105  
North Carolina Laboratory Certificate Number 27  
NELAP Laboratory Identification E87822*

	<i>Sample Number</i>	<i>Sample Description</i>
	AC36152 PSC SB-3	3.5-5.5 feet composite, collected on 06/18/2008 at 11:30
	AC36153 PSC SB-7	13.5-15.5 feet composite, collected on 06/18/2008 at 16:30
	AC36154 PSC SB-6	8.5-10.5 feet composite, collected on 06/18/2008 at 16:45
	AC36155 PSC SB-5	3.5-5.5 feet composite, collected on 06/18/2008 at 17:00
	AC36156 PSC SB-5	8.5-10.5 feet composite, collected on 06/18/2008 at 17:15
	AC36157 PSC SB-4	3.5-5.5 feet composite, collected on 06/18/2008 at 17:30
	AC36158 PSC SB-3	3.5-5.5 feet composite, collected on 06/18/2008 at 17:45
	AC36159 PSC SB-2	3.5-5.5 feet composite, collected on 06/18/2008 at 18:00
	AC36160 PSC SB-1	3.5-5.5 feet composite, collected on 06/18/2008 at 18:15

*The attached report is for the samples that were received and are referenced above. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements of the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty available upon request.*

*We appreciate the opportunity to be of service to you. Please contact us at (864) 232-1556 should you have any questions about this report.*

Results released by: *Amy E. Asmeij*  
authorized signature

Results reviewed by: *SJB*

Carbon copy: John Foster - Rogers and Callcott

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**Sample Number****Sample Description, Date and Time Collected**

AC36152

PSC SB-3 3.5-5.5 feet composite, collected on 06/18/2008 at 11:30

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
24 to 48 hr turn around	Completed				06/19/2008 00:00		
Percent Solids for VOA time of analysis	84	percent		0.10	06/24/2008 15:35	RJM	
<b>Volatile Organic Compounds Expanded, dry</b>							
Acetone	< RDL	ug/kg		6000	06/19/2008 17:26	RJM	EPA 8260B
Acrolein	< RDL	ug/kg		950	06/19/2008 17:26	RJM	EPA 8260B
Acrylonitrile	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Benzene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		480	06/19/2008 17:26	RJM	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		6000	06/19/2008 17:26	RJM	EPA 8260B
n-Butylbenzene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
sec-Butylbenzene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,2-Dibromo-3-chloropropane	NA	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,2-Dichlorobenzene	270	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36152

PSC SB-3 3.5-5.5 feet composite, collected on 06/18/2008 at 11:30

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
<b>Volatile Organic Compounds Expanded, dry</b>							
trans-1,3-Dichloropropene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		2400	06/19/2008 17:26	RJM	EPA 8260B
Ethylbenzene	4800	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Hexachlorobutadiene	NA	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Hexane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
2-Hexanone	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
p-isopropyltoluene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		1200	06/19/2008 17:26	RJM	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Naphthalene	Not detected	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
n-Propylbenzene	NA	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Styrene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Tetrachloroethene	3600	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Toluene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,2,4-Trimethylbenzene	450	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,3,5-Trimethylbenzene	360	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,2,4-Trichlorobenzene	Not detected	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Vinyl acetate	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
m/p-Xylene	15000	ug/kg		480	06/19/2008 17:26	RJM	EPA 8260B
o-Xylene	4200	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
2-Nitropropane	NA	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
Iodomethane	NA	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		240	06/19/2008 17:26	RJM	EPA 8260B
<b>Volatile Organic Compounds Expanded, wet</b>							
Acetone	< RDL	ug/kg		5000	06/19/2008 17:26	RJM	EPA 8260B
Acrolein	< RDL	ug/kg		800	06/19/2008 17:26	RJM	EPA 8260B
Acrylonitrile	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Benzene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36152

PSC SB-3 3.5-5.5 feet composite, collected on 06/18/2008 at 11:30

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
<b>Volatile Organic Compounds Expanded, wet</b>							
Bromodichloromethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		400	06/19/2008 17:26	RJM	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		5000	06/19/2008 17:26	RJM	EPA 8260B
n-Butylbenzene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
sec-Butylbenzene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,2-Dibromo-3-chloropropane	NA	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,2-Dichlorobenzene	230	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		2000	06/19/2008 17:26	RJM	EPA 8260B
Ethylbenzene	4000	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Hexachlorobutadiene	NA	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Hexane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
2-Hexanone	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B

**Sample Number****Sample Description, Date and Time Collected**

AC36152

PSC SB-3 3.5-5.5 feet composite, collected on 06/18/2008 at 11:30

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
<b>Volatile Organic Compounds Expanded, wet</b>							
p-Isopropyltoluene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		1000	06/19/2008 17:26	RJM	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Naphthalene	Not detected	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
n-Propylbenzene	NA	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Styrene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Tetrachloroethene	3000	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Toluene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,2,4-Trimethylbenzene	380	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,3,5-Trimethylbenzene	300	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,2,4-Trichlorobenzene	Not detected	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Vinyl acetate	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
m/p-Xylene	13000	ug/kg		400	06/19/2008 17:26	RJM	EPA 8260B
o-Xylene	3500	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
2-Nitropropane	NA	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
Iodomethane	NA	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		200	06/19/2008 17:26	RJM	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	90	%		0	06/19/2008 17:26	RJM	EPA 8260B
Toluene-d8 (surrogate)	101	%		0	06/19/2008 17:26	RJM	EPA 8260B
4-Bromofluorobenzene (surrogate)	118	%		0	06/19/2008 17:26	RJM	EPA 8260B

Analysis comment for Volatile Organic Compounds Expanded, wet: Not detected - For this compound, we determine whether the characteristic ion is present or absent at the correct chromatographic retention time and report results as detected or not detected.

**Sample Number****Sample Description, Date and Time Collected**

AC36153

PSC SB-7 13.5-15.5 feet composite, collected on 06/18/2008 at 16:30

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
24 to 48 hr turn around	Completed				06/19/2008 00:00		
Percent Solids for VOA time of analysis	80	percent		0.10	06/24/2008 15:35	RJM	

Sample NumberSample Description, Date and Time Collected

AC36153

PSC SB-7 13.5-15.5 feet composite, collected on 06/18/2008 at 16:30

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
<b>Volatile Organic Compounds Expanded, dry</b>							
Acetone	< RDL	ug/kg		120000	06/19/2008 19:49	RJM	EPA 8260B
Acrolein	< RDL	ug/kg		20000	06/19/2008 19:49	RJM	EPA 8260B
Acrylonitrile	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Benzene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		10000	06/19/2008 19:49	RJM	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		120000	06/19/2008 19:49	RJM	EPA 8260B
n-Butylbenzene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
sec-Butylbenzene	7200	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,2-Dibromo-3-chloropropane	NA	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		50000	06/19/2008 19:49	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36153

PSC SB-7 13.5-15.5 feet composite, collected on 06/18/2008 at 16:30

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, dry</b>							
Ethylbenzene	180000	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Hexachlorobutadiene	NA	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Hexane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
2-Hexanone	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
p-isopropyltoluene	12000	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		25000	06/19/2008 19:49	RJM	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Naphthalene	Not detected	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
n-Propylbenzene	NA	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Styrene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Toluene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,2,4-Trimethylbenzene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,3,5-Trimethylbenzene	46000	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,2,4-Trichlorobenzene	Not detected	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Vinyl acetate	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
m/p-Xylene	510000	ug/kg		10000	06/19/2008 19:49	RJM	EPA 8260B
o-Xylene	120000	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
2-Nitropropane	NA	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
Iodomethane	NA	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		5000	06/19/2008 19:49	RJM	EPA 8260B
<b>Volatile Organic Compounds Expanded, wet</b>							
Acetone	< RDL	ug/kg		100000	06/19/2008 19:49	RJM	EPA 8260B
Acrolein	< RDL	ug/kg		16000	06/19/2008 19:49	RJM	EPA 8260B
Acrylonitrile	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Benzene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36153

PSC SB-7 13.5-15.5 feet composite, collected on 06/18/2008 at 16:30

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
Volatile Organic Compounds Expanded, wet							
Bromomethane	< RDL	ug/kg		8000	06/19/2008 19:49	RJM	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		100000	06/19/2008 19:49	RJM	EPA 8260B
n-Butylbenzene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
sec-Butylbenzene	5800	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,2-Dibromo-3-chloropropane	NA	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		40000	06/19/2008 19:49	RJM	EPA 8260B
Ethylbenzene	140000	ug/kg	E	4000	06/19/2008 19:49	RJM	EPA 8260B
Hexachlorobutadiene	NA	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Hexane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
2-Hexanone	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
p-isopropyltoluene	9600	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B



<u>Sample Number</u>	<u>Sample Description, Date and Time Collected</u>						
AC36153	PSC SB-7 13.5-15.5 feet composite, collected on 06/18/2008 at 16:30						
<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
<b>Volatile Organic Compounds Expanded, wet</b>							
Methyl-t-butyl ether	< RDL	ug/kg		20000	06/19/2008 19:49	RJM	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Naphthalene	Not detected	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
n-Propylbenzene	NA	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Styrene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Toluene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,2,4-Trimethylbenzene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,3,5-Trimethylbenzene	37000	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,2,4-Trichlorobenzene	Not detected	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Vinyl acetate	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
m/p-Xylene	410000	ug/kg	E	8000	06/19/2008 19:49	RJM	EPA 8260B
o-Xylene	97000	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
2-Nitropropane	NA	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
Iodomethane	NA	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		4000	06/19/2008 19:49	RJM	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	79	%		0	06/19/2008 19:49	RJM	EPA 8260B
Toluene-d8 (surrogate)	92	%		0	06/19/2008 19:49	RJM	EPA 8260B
4-Bromofluorobenzene (surrogate)	552	%	R1	0	06/19/2008 19:49	RJM	EPA 8260B

Analysis comment for Volatile Organic Compounds Expanded, wet: Not detected - For this compound, we determine whether the characteristic ion is present or absent at the correct chromatographic retention time and report results as detected or not detected.

<u>Sample Number</u>	<u>Sample Description, Date and Time Collected</u>						
AC36154	PSC SB-6 8.5-10.5 feet composite, collected on 06/18/2008 at 16:45						
<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
24 to 48 hr turn around	Completed				06/19/2008 00:00		
Percent Solids for VOA time of analysis	84	percent		0.10	06/24/2008 15:35	RJM	
<b>Volatile Organic Compounds Expanded, dry</b>							
Acetone	< RDL	ug/kg		89000	06/24/2008 22:01	CTS	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36154

PSC SB-6 8.5-10.5 feet composite, collected on 06/18/2008 at 16:45

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, dry</b>							
Acrolein	< RDL	ug/kg		950	06/24/2008 22:01	CTS	EPA 8260B
Acrylonitrile	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Benzene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Bromochloromethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Bromoform	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Bromomethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		4800	06/24/2008 22:01	CTS	EPA 8260B
n-Butylbenzene	1200	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
sec-Butylbenzene	920	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Carbon disulfide	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Chlorobenzene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Chloroethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Chloroform	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Chloromethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,2-Dibromo-3-chloropropane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Dibromomethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		36000	06/24/2008 22:01	CTS	EPA 8260B
Ethylbenzene	6400	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36154

PSC SB-6 8.5-10.5 feet composite, collected on 06/18/2008 at 16:45

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, dry</b>							
Hexachlorobutadiene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Hexane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
2-Hexanone	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
p-isopropyltoluene	1800	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Methylene chloride	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		1200	06/24/2008 22:01	CTS	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Naphthalene	Not detected	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
n-Propylbenzene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Styrene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		3600	06/24/2008 22:01	CTS	EPA 8260B
Toluene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,2,4-Trimethylbenzene	6200	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,3,5-Trimethylbenzene	3000	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,2,4-Trichlorobenzene	< RDL	ug/kg		320	06/24/2008 22:01	CTS	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Trichloroethene	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Vinyl acetate	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Vinyl chloride	< RDL	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
m/p-Xylene	12000	ug/kg		7100	06/24/2008 22:01	CTS	EPA 8260B
o-Xylene	2900	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
2-Nitropropane	NA	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
Iodomethane	NA	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		240	06/24/2008 22:01	CTS	EPA 8260B
<b>Volatile Organic Compounds Expanded, wet</b>							
Acetone	< RDL	ug/kg	Z1	75000	06/24/2008 22:01	CTS	EPA 8260B
Acrolein	< RDL	ug/kg		800	06/24/2008 22:01	CTS	EPA 8260B
Acrylonitrile	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Benzene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Bromochloromethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Bromoform	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Bromomethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36154

PSC SB-6 8.5-10.5 feet composite, collected on 06/18/2008 at 16:45

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
Volatile Organic Compounds Expanded, wet							
2-Butanone (MEK)	< RDL	ug/kg		4000	06/24/2008 22:01	CTS	EPA 8260B
n-Butylbenzene	1000	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
sec-Butylbenzene	770	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Carbon disulfide	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Chlorobenzene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Chloroethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Chloroform	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Chloromethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,2-Dibromo-3-chloropropane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Dibromomethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,4-Dioxane	Not detected	ug/kg	Z1	30000	06/24/2008 22:01	CTS	EPA 8260B
Ethylbenzene	5400	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Hexachlorobutadiene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Hexane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
2-Hexanone	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
p-isopropyltoluene	1500	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Methylene chloride	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		1000	06/24/2008 22:01	CTS	EPA 8260B

<u>Sample Number</u>	<u>Sample Description, Date and Time Collected</u>						
AC36154	PSC SB-6 8.5-10.5 feet composite, collected on 06/18/2008 at 16:45						
<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
<b>Volatile Organic Compounds Expanded, wet</b>							
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Naphthalene	Not detected	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
n-Propylbenzene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Styrene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg	Z1	3000	06/24/2008 22:01	CTS	EPA 8260B
Toluene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,2,4-Trimethylbenzene	5200	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,3,5-Trimethylbenzene	2500	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,2,4-Trichlorobenzene	< RDL	ug/kg		270	06/24/2008 22:01	CTS	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Trichloroethene	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Vinyl acetate	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Vinyl chloride	< RDL	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
m/p-Xylene	10000	ug/kg	Z1	6000	06/24/2008 22:01	CTS	EPA 8260B
o-Xylene	2400	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
2-Nitropropane	NA	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
Iodomethane	NA	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		200	06/24/2008 22:01	CTS	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	92	%		0	06/24/2008 22:01	CTS	EPA 8260B
Toluene-d8 (surrogate)	81	%		0	06/24/2008 22:01	CTS	EPA 8260B
4-Bromofluorobenzene (surrogate)	131	%	R1	0	06/24/2008 22:01	CTS	EPA 8260B

Analysis comment for Volatile Organic Compounds Expanded, wet:  
Z1 - Analyzed on 6-19-2008 at 2018 RJM

Surrogates diluted out.

Not detected - For this compound, we determine whether the characteristic ion is present or absent at the correct chromatographic retention time and report results as detected or not detected.

<u>Sample Number</u>	<u>Sample Description, Date and Time Collected</u>						
AC36155	PSC SB-5 3.5-5.5 feet composite, collected on 06/18/2008 at 17:00						
<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
24 to 48 hr turn around	Completed				06/19/2008 00:00		

**Sample Number****Sample Description, Date and Time Collected**

AC36155

PSC SB-5 3.5-5.5 feet composite, collected on 06/18/2008 at 17:00

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
Percent Solids for VOA time of analysis	83	percent		0.10	06/24/2008 15:35	RJM	
<b>Volatile Organic Compounds Expanded, dry</b>							
Acetone	< RDL	ug/kg		110000	06/24/2008 22:30	CTS	EPA 8260B
Acrolein	< RDL	ug/kg		960	06/24/2008 22:30	CTS	EPA 8260B
Acrylonitrile	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Benzene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Bromochloromethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Bromoform	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Bromomethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		4800	06/24/2008 22:30	CTS	EPA 8260B
n-Butylbenzene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
sec-Butylbenzene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Carbon disulfide	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Chlorobenzene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Chloroethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Chloroform	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Chloromethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,2-Dibromo-3-chloropropane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Dibromomethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B

**Sample Number****Sample Description, Date and Time Collected**

AC36155

PSC SB-5 3.5-5.5 feet composite, collected on 06/18/2008 at 17:00

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
<b>Volatile Organic Compounds Expanded, dry</b>							
1,4-Dioxane	Not detected	ug/kg		23000	06/24/2008 22:30	CTS	EPA 8260B
Ethylbenzene	660	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Hexachlorobutadiene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Hexane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
2-Hexanone	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
p-isopropyltoluene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Methylene chloride	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		1200	06/24/2008 22:30	CTS	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Naphthalene	Not detected	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
n-Propylbenzene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Styrene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		4600	06/24/2008 22:30	CTS	EPA 8260B
Toluene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,2,4-Trimethylbenzene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,3,5-Trimethylbenzene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,2,4-Trichlorobenzene	< RDL	ug/kg		330	06/24/2008 22:30	CTS	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Trichloroethene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Vinyl acetate	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Vinyl chloride	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
m/p-Xylene	1400	ug/kg		480	06/24/2008 22:30	CTS	EPA 8260B
o-Xylene	< RDL	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
2-Nitropropane	NA	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
Iodomethane	NA	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		240	06/24/2008 22:30	CTS	EPA 8260B
<b>Volatile Organic Compounds Expanded, wet</b>							
Acetone	< RDL	ug/kg	Z1	95000	06/24/2008 22:30	CTS	EPA 8260B
Acrolein	< RDL	ug/kg		800	06/24/2008 22:30	CTS	EPA 8260B
Acrylonitrile	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Benzene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Bromochloromethane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36155

PSC SB-5 3.5-5.5 feet composite, collected on 06/18/2008 at 17:00

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, wet</b>							
Bromoform	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Bromomethane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg	P	4000	06/24/2008 22:30	CTS	EPA 8260B
n-Butylbenzene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
sec-Butylbenzene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Carbon disulfide	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Chlorobenzene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Chloroethane	< RDL	ug/kg	P	200	06/24/2008 22:30	CTS	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Chloroform	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Chloromethane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,2-Dibromo-3-chloropropane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Dibromomethane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,4-Dioxane	Not detected	ug/kg	Z1	19000	06/24/2008 22:30	CTS	EPA 8260B
Ethylbenzene	550	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Hexachlorobutadiene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Hexane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
2-Hexanone	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
p-isopropyltoluene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B



Sample NumberSample Description, Date and Time Collected

AC36155

PSC SB-5 3.5-5.5 feet composite, collected on 06/18/2008 at 17:00

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
<b>Volatile Organic Compounds Expanded, wet</b>							
Methylene chloride	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		1000	06/24/2008 22:30	CTS	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Naphthalene	Not detected	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
n-Propylbenzene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Styrene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg	Z1	3800	06/24/2008 22:30	CTS	EPA 8260B
Toluene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,2,4-Trimethylbenzene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,3,5-Trimethylbenzene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,2,4-Trichlorobenzene	< RDL	ug/kg		270	06/24/2008 22:30	CTS	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Trichloroethene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg	P	200	06/24/2008 22:30	CTS	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Vinyl acetate	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Vinyl chloride	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
m/p-Xylene	1200	ug/kg		400	06/24/2008 22:30	CTS	EPA 8260B
o-Xylene	< RDL	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
2-Nitropropane	NA	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
Iodomethane	NA	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		200	06/24/2008 22:30	CTS	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	111	%		0	06/24/2008 22:30	CTS	EPA 8260B
Toluene-d8 (surrogate)	111	%		0	06/24/2008 22:30	CTS	EPA 8260B
4-Bromofluorobenzene (surrogate)	111	%		0	06/24/2008 22:30	CTS	EPA 8260B

Analysis comment for Volatile Organic Compounds Expanded, wet:  
Z1 - Analyzed on 6-19-2008 at 2047 RJM

## Surrogates

1-2 Dichloroethane-D4 100 %Recovery  
Toluene-D8 102 %Recovery  
4-Bromofluorobenzene 113 %Recovery

Not detected - For this compound, we determine whether the characteristic ion is present or absent at the correct chromatographic retention time and report results as detected or not detected.

Sample NumberSample Description, Date and Time Collected

AC36156

PSC SB-5 8.5-10.5 feet composite, collected on 06/18/2008 at 17:15

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
24 to 48 hr turn around	Completed				06/19/2008 00:00		
Percent Solids for VOA time of analysis	86	percent		0.10	06/24/2008 15:35	RJM	
<b>Volatile Organic Compounds Expanded, dry</b>							
Acetone	< RDL	ug/kg		87000	06/19/2008 21:16	RJM	EPA 8260B
Acrolein	< RDL	ug/kg		14000	06/19/2008 21:16	RJM	EPA 8260B
Acrylonitrile	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Benzene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		7000	06/19/2008 21:16	RJM	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		87000	06/19/2008 21:16	RJM	EPA 8260B
n-Butylbenzene	3500	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
sec-Butylbenzene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,2-Dibromo-3-chloropropane	NA	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36156

PSC SB-5 8.5-10.5 feet composite, collected on 06/18/2008 at 17:15

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
<b>Volatile Organic Compounds Expanded, dry</b>							
trans-1,3-Dichloropropene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		35000	06/19/2008 21:16	RJM	EPA 8260B
Ethylbenzene	570000	ug/kg		160000	06/19/2008 21:16	RJM	EPA 8260B
Hexachlorobutadiene	NA	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Hexane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
2-Hexanone	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
p-isopropyltoluene	4900	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		17000	06/19/2008 21:16	RJM	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Naphthalene	Not detected	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
n-Propylbenzene	NA	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Styrene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Toluene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,2,4-Trimethylbenzene	52000	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,3,5-Trimethylbenzene	27000	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,2,4-Trichlorobenzene	Not detected	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Vinyl acetate	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
m/p-Xylene	1700000	ug/kg		330000	06/19/2008 21:16	RJM	EPA 8260B
o-Xylene	300000	ug/kg		160000	06/19/2008 21:16	RJM	EPA 8260B
2-Nitropropane	NA	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
Iodomethane	NA	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		3500	06/19/2008 21:16	RJM	EPA 8260B
<b>Volatile Organic Compounds Expanded, wet</b>							
Acetone	< RDL	ug/kg		75000	06/19/2008 21:16	RJM	EPA 8260B
Acrolein	< RDL	ug/kg		12000	06/19/2008 21:16	RJM	EPA 8260B
Acrylonitrile	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Benzene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36156

PSC SB-5 8.5-10.5 feet composite, collected on 06/18/2008 at 17:15

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, wet</b>							
Bromodichloromethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg	P	6000	06/19/2008 21:16	RJM	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		75000	06/19/2008 21:16	RJM	EPA 8260B
n-Butylbenzene	3000	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
sec-Butylbenzene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,2-Dibromo-3-chloropropane	NA	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		30000	06/19/2008 21:16	RJM	EPA 8260B
Ethylbenzene	490000	ug/kg	Z1	140000	06/19/2008 21:16	RJM	EPA 8260B
Hexachlorobutadiene	NA	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Hexane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
2-Hexanone	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36156

PSC SB-5 8.5-10.5 feet composite, collected on 06/18/2008 at 17:15

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, wet</b>							
p-isopropyltoluene	4200	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		15000	06/19/2008 21:16	RJM	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Naphthalene	Not detected	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
n-Propylbenzene	NA	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Styrene	< RDL	ug/kg	S	3000	06/19/2008 21:16	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Toluene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,2,4-Trimethylbenzene	45000	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,3,5-Trimethylbenzene	23000	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,2,4-Trichlorobenzene	Not detected	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Vinyl acetate	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
m/p-Xylene	1500000	ug/kg	Z1	280000	06/19/2008 21:16	RJM	EPA 8260B
o-Xylene	260000	ug/kg	Z1	140000	06/19/2008 21:16	RJM	EPA 8260B
2-Nitropropane	NA	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
Iodomethane	NA	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		3000	06/19/2008 21:16	RJM	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	90	%		0	06/19/2008 21:16	RJM	EPA 8260B
Toluene-d8 (surrogate)	100	%		0	06/19/2008 21:16	RJM	EPA 8260B
4-Bromofluorobenzene (surrogate)	277	%	R1	0	06/19/2008 21:16	RJM	EPA 8260B

Analysis comment for Volatile Organic Compounds Expanded, wet:  
Z1 - Analyzed on 6-24-2008 at 1151

Surrogates diluted out.

Not detected - For this compound, we determine whether the characteristic ion is present or absent at the correct chromatographic retention time and report results as detected or not detected.

**Sample Number****Sample Description, Date and Time Collected**

AC36157

PSC SB-4 3.5-5.5 feet composite, collected on 06/18/2008 at 17:30

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
24 to 48 hr turn around	Completed				06/19/2008 00:00		
Percent Solids for VOA time of analysis	83	percent		0.10	06/24/2008 15:35	RJM	
<b>Volatile Organic Compounds Expanded, dry</b>							
Acetone	< RDL	ug/kg		6000	06/19/2008 17:55	RJM	EPA 8260B
Acrolein	< RDL	ug/kg		960	06/19/2008 17:55	RJM	EPA 8260B
Acrylonitrile	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Benzene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		480	06/19/2008 17:55	RJM	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		6000	06/19/2008 17:55	RJM	EPA 8260B
n-Butylbenzene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
sec-Butylbenzene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,2-Dibromo-3-chloropropane	NA	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36157

PSC SB-4 3.5-5.5 feet composite, collected on 06/18/2008 at 17:30

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, dry</b>							
trans-1,3-Dichloropropene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		2400	06/19/2008 17:55	RJM	EPA 8260B
Ethylbenzene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Hexachlorobutadiene	NA	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Hexane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
2-Hexanone	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
p-isopropyltoluene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		1200	06/19/2008 17:55	RJM	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Naphthalene	Not detected	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
n-Propylbenzene	NA	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Styrene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Toluene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,2,4-Trimethylbenzene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,3,5-Trimethylbenzene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,2,4-Trichlorobenzene	Not detected	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Vinyl acetate	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
m/p-Xylene	< RDL	ug/kg		480	06/19/2008 17:55	RJM	EPA 8260B
o-Xylene	< RDL	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
2-Nitropropane	NA	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
Iodomethane	NA	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		240	06/19/2008 17:55	RJM	EPA 8260B
<b>Volatile Organic Compounds Expanded, wet</b>							
Acetone	< RDL	ug/kg		5000	06/19/2008 17:55	RJM	EPA 8260B
Acrolein	< RDL	ug/kg		800	06/19/2008 17:55	RJM	EPA 8260B
Acrylonitrile	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Benzene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36157

PSC SB-4 3.5-5.5 feet composite, collected on 06/18/2008 at 17:30

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, wet</b>							
Bromodichloromethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		400	06/19/2008 17:55	RJM	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		5000	06/19/2008 17:55	RJM	EPA 8260B
n-Butylbenzene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
sec-Butylbenzene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,2-Dibromo-3-chloropropane	NA	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		2000	06/19/2008 17:55	RJM	EPA 8260B
Ethylbenzene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Hexachlorobutadiene	NA	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Hexane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
2-Hexanone	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B



<u>Sample Number</u>	<u>Sample Description, Date and Time Collected</u>						
AC36157	PSC SB-4 3.5-5.5 feet composite, collected on 06/18/2008 at 17:30						
<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
<b>Volatile Organic Compounds Expanded, wet</b>							
p-isopropyltoluene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		1000	06/19/2008 17:55	RJM	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Naphthalene	Not detected	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
n-Propylbenzene	NA	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Styrene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Toluene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,2,4-Trimethylbenzene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,3,5-Trimethylbenzene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,2,4-Trichlorobenzene	Not detected	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Vinyl acetate	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
m/p-Xylene	< RDL	ug/kg		400	06/19/2008 17:55	RJM	EPA 8260B
o-Xylene	< RDL	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
2-Nitropropane	NA	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
Iodomethane	NA	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		200	06/19/2008 17:55	RJM	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	108	%		0	06/19/2008 17:55	RJM	EPA 8260B
Toluene-d8 (surrogate)	114	%		0	06/19/2008 17:55	RJM	EPA 8260B
4-Bromofluorobenzene (surrogate)	117	%		0	06/19/2008 17:55	RJM	EPA 8260B

Analysis comment for Volatile Organic Compounds Expanded, wet: Not detected - For this compound, we determine whether the characteristic ion is present or absent at the correct chromatographic retention time and report results as detected or not detected.

<u>Sample Number</u>	<u>Sample Description, Date and Time Collected</u>						
AC36158	PSC SB-3 3.5-5.5 feet composite, collected on 06/18/2008 at 17:45						
<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
24 to 48 hr turn around	Completed				06/19/2008 00:00		
Percent Solids for VOA time of analysis	89	percent		0.10	06/24/2008 15:35	RJM	

Sample NumberSample Description, Date and Time Collected

AC36158

PSC SB-3 3.5-5.5 feet composite, collected on 06/18/2008 at 17:45

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, dry</b>							
Acetone	< RDL	ug/kg		4300	06/19/2008 18:24	RJM	EPA 8260B
Acrolein	< RDL	ug/kg		670	06/19/2008 18:24	RJM	EPA 8260B
Acrylonitrile	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Benzene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		340	06/19/2008 18:24	RJM	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		4300	06/19/2008 18:24	RJM	EPA 8260B
n-Butylbenzene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
sec-Butylbenzene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,2-Dibromo-3-chloropropane	NA	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		1700	06/19/2008 18:24	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36158

PSC SB-3 3.5-5.5 feet composite, collected on 06/18/2008 at 17:45

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, dry</b>							
Ethylbenzene	580	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Hexachlorobutadiene	NA	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Hexane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
2-Hexanone	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
p-isopropyltoluene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		840	06/19/2008 18:24	RJM	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Naphthalene	Not detected	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
n-Propylbenzene	NA	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Styrene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Tetrachloroethene	730	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Toluene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,2,4-Trimethylbenzene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,3,5-Trimethylbenzene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,2,4-Trichlorobenzene	Not detected	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Vinyl acetate	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
m/p-Xylene	1600	ug/kg		340	06/19/2008 18:24	RJM	EPA 8260B
o-Xylene	430	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
2-Nitropropane	NA	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
Iodomethane	NA	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		170	06/19/2008 18:24	RJM	EPA 8260B
<b>Volatile Organic Compounds Expanded, wet</b>							
Acetone	< RDL	ug/kg		3800	06/19/2008 18:24	RJM	EPA 8260B
Acrolein	< RDL	ug/kg		600	06/19/2008 18:24	RJM	EPA 8260B
Acrylonitrile	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Benzene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36158

PSC SB-3 3.5-5.5 feet composite, collected on 06/18/2008 at 17:45

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, wet</b>							
Bromomethane	< RDL	ug/kg		300	06/19/2008 18:24	RJM	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		3800	06/19/2008 18:24	RJM	EPA 8260B
n-Butylbenzene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
sec-Butylbenzene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,2-Dibromo-3-chloropropane	NA	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		1500	06/19/2008 18:24	RJM	EPA 8260B
Ethylbenzene	520	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Hexachlorobutadiene	NA	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Hexane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
2-Hexanone	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
p-isopropyltoluene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36158

PSC SB-3 3.5-5.5 feet composite, collected on 06/18/2008 at 17:45

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, wet</b>							
Methyl-t-butyl ether	< RDL	ug/kg		750	06/19/2008 18:24	RJM	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Naphthalene	Not detected	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
n-Propylbenzene	NA	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Styrene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Tetrachloroethene	650	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Toluene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,2,4-Trimethylbenzene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,3,5-Trimethylbenzene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,2,4-Trichlorobenzene	Not detected	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Vinyl acetate	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
m/p-Xylene	1400	ug/kg		300	06/19/2008 18:24	RJM	EPA 8260B
o-Xylene	380	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
2-Nitropropane	NA	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
Iodomethane	NA	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		150	06/19/2008 18:24	RJM	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	95	%		0	06/19/2008 18:24	RJM	EPA 8260B
Toluene-d8 (surrogate)	103	%		0	06/19/2008 18:24	RJM	EPA 8260B
4-Bromofluorobenzene (surrogate)	110	%		0	06/19/2008 18:24	RJM	EPA 8260B

Analysis comment for Volatile Organic Compounds Expanded, wet: Not detected - For this compound, we determine whether the characteristic ion is present or absent at the correct chromatographic retention time and report results as detected or not detected.

Sample NumberSample Description, Date and Time Collected

AC36159

PSC SB-2 3.5-5.5 feet composite, collected on 06/18/2008 at 18:00

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
24 to 48 hr turn around	Completed				06/19/2008 00:00		
Percent Solids for VOA time of analysis	88	percent		0.10	06/24/2008 15:35	RJM	
<b>Volatile Organic Compounds Expanded, dry</b>							
Acetone	< RDL	ug/kg		4500	06/19/2008 18:52	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36159

PSC SB-2 3.5-5.5 feet composite, collected on 06/18/2008 at 18:00

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, dry</b>							
Acrolein	< RDL	ug/kg		730	06/19/2008 18:52	RJM	EPA 8260B
Acrylonitrile	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Benzene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		360	06/19/2008 18:52	RJM	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		4500	06/19/2008 18:52	RJM	EPA 8260B
n-Butylbenzene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
sec-Butylbenzene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,2-Dibromo-3-chloropropane	NA	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		1800	06/19/2008 18:52	RJM	EPA 8260B
Ethylbenzene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36159

PSC SB-2 3.5-5.5 feet composite, collected on 06/18/2008 at 18:00

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
<b>Volatile Organic Compounds Expanded, dry</b>							
Hexachlorobutadiene	NA	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Hexane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
2-Hexanone	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
p-isopropyltoluene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		910	06/19/2008 18:52	RJM	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Naphthalene	Not detected	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
n-Propylbenzene	NA	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Styrene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Toluene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,2,4-Trimethylbenzene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,3,5-Trimethylbenzene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,2,4-Trichlorobenzene	Not detected	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Vinyl acetate	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
m/p-Xylene	< RDL	ug/kg		360	06/19/2008 18:52	RJM	EPA 8260B
o-Xylene	< RDL	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
2-Nitropropane	NA	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
Iodomethane	NA	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		180	06/19/2008 18:52	RJM	EPA 8260B
<b>Volatile Organic Compounds Expanded, wet</b>							
Acetone	< RDL	ug/kg		4000	06/19/2008 18:52	RJM	EPA 8260B
Acrolein	< RDL	ug/kg		640	06/19/2008 18:52	RJM	EPA 8260B
Acrylonitrile	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Benzene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		320	06/19/2008 18:52	RJM	EPA 8260B

**Sample Number****Sample Description, Date and Time Collected**

AC36159

PSC SB-2 3.5-5.5 feet composite, collected on 06/18/2008 at 18:00

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
<b>Volatile Organic Compounds Expanded, wet</b>							
2-Butanone (MEK)	< RDL	ug/kg		4000	06/19/2008 18:52	RJM	EPA 8260B
n-Butylbenzene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
sec-Butylbenzene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,2-Dibromo-3-chloropropane	NA	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		1600	06/19/2008 18:52	RJM	EPA 8260B
Ethylbenzene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Hexachlorobutadiene	NA	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Hexane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
2-Hexanone	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
p-isopropyltoluene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		800	06/19/2008 18:52	RJM	EPA 8260B



<u>Sample Number</u>	<u>Sample Description, Date and Time Collected</u>						
AC36159	PSC SB-2 3.5-5.5 feet composite, collected on 06/18/2008 at 18:00						
<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
<b>Volatile Organic Compounds Expanded, wet</b>							
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Naphthalene	Not detected	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
n-Propylbenzene	NA	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Styrene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Toluene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,2,4-Trimethylbenzene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,3,5-Trimethylbenzene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,2,4-Trichlorobenzene	Not detected	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Vinyl acetate	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
m/p-Xylene	< RDL	ug/kg		320	06/19/2008 18:52	RJM	EPA 8260B
o-Xylene	< RDL	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
2-Nitropropane	NA	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
Iodomethane	NA	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		160	06/19/2008 18:52	RJM	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	96	%		0	06/19/2008 18:52	RJM	EPA 8260B
Toluene-d8 (surrogate)	107	%		0	06/19/2008 18:52	RJM	EPA 8260B
4-Bromofluorobenzene (surrogate)	108	%		0	06/19/2008 18:52	RJM	EPA 8260B

Analysis comment for Volatile Organic Compounds Expanded, wet: Not detected - For this compound, we determine whether the characteristic ion is present or absent at the correct chromatographic retention time and report results as detected or not detected.

<u>Sample Number</u>	<u>Sample Description, Date and Time Collected</u>						
AC36160	PSC SB-1 3.5-5.5 feet composite, collected on 06/18/2008 at 18:15						
<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
24 to 48 hr turn around	Completed				06/19/2008 00:00		
Percent Solids for VOA time of analysis	89	percent		0.10	06/24/2008 15:35	RJM	
<b>Volatile Organic Compounds Expanded, dry</b>							
Acetone	< RDL	ug/kg		4500	06/19/2008 19:21	RJM	EPA 8260B
Acrolein	< RDL	ug/kg		720	06/19/2008 19:21	RJM	EPA 8260B

**Sample Number****Sample Description, Date and Time Collected**

AC36160

PSC SB-1 3.5-5.5 feet composite, collected on 06/18/2008 at 18:15

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
<b>Volatile Organic Compounds Expanded, dry</b>							
Acrylonitrile	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Benzene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		360	06/19/2008 19:21	RJM	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		4500	06/19/2008 19:21	RJM	EPA 8260B
n-Butylbenzene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
sec-Butylbenzene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,2-Dibromo-3-chloropropane	NA	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		1800	06/19/2008 19:21	RJM	EPA 8260B
Ethylbenzene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Hexachlorobutadiene	NA	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B

**Sample Number****Sample Description, Date and Time Collected**

AC36160

PSC SB-1 3.5-5.5 feet composite, collected on 06/18/2008 at 18:15

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
<b>Volatile Organic Compounds Expanded, dry</b>							
Hexane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
2-Hexanone	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
p-isopropyltoluene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		900	06/19/2008 19:21	RJM	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Naphthalene	Not detected	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
n-Propylbenzene	NA	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Styrene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,1,1,2,2-Tetrachloroethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Tetrachloroethene	780	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Toluene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,2,4-Trimethylbenzene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,3,5-Trimethylbenzene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,2,4-Trichlorobenzene	Not detected	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Vinyl acetate	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
m/p-Xylene	< RDL	ug/kg		360	06/19/2008 19:21	RJM	EPA 8260B
o-Xylene	< RDL	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
2-Nitropropane	NA	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
Iodomethane	NA	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		180	06/19/2008 19:21	RJM	EPA 8260B
<b>Volatile Organic Compounds Expanded, wet</b>							
Acetone	< RDL	ug/kg		4000	06/19/2008 19:21	RJM	EPA 8260B
Acrolein	< RDL	ug/kg		640	06/19/2008 19:21	RJM	EPA 8260B
Acrylonitrile	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Benzene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		320	06/19/2008 19:21	RJM	EPA 8260B
2-Butanone (MEK)	< RDL	ug/kg		4000	06/19/2008 19:21	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36160

PSC SB-1 3.5-5.5 feet composite, collected on 06/18/2008 at 18:15

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, wet</b>							
n-Butylbenzene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
sec-Butylbenzene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
tert-Butylbenzene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
2-Chloroethyl vinyl ether	NA	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
2-Chlorotoluene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
4-Chlorotoluene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,2-Dibromo-3-chloropropane	NA	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,2-Dibromoethane (EDB)	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Dichlorodifluoromethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,3-Dichloropropane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
2,2-Dichloropropane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,1-Dichloropropene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,4-Dioxane	Not detected	ug/kg		1600	06/19/2008 19:21	RJM	EPA 8260B
Ethylbenzene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Hexachlorobutadiene	NA	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Hexane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
2-Hexanone	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Isopropylbenzene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
p-isopropyltoluene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Methyl-t-butyl ether	< RDL	ug/kg		800	06/19/2008 19:21	RJM	EPA 8260B
4-Methyl-2-pentanone (MIBK)	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

AC36160

PSC SB-1 3.5-5.5 feet composite, collected on 06/18/2008 at 18:15

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Compounds Expanded, wet</b>							
Naphthalene	Not detected	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
n-Propylbenzene	NA	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Styrene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,1,1,2,2-Tetrachloroethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Tetrachloroethene	690	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Tetrahydrofuran	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Toluene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,2,3-Trichlorobenzene	Not detected	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,2,4-Trimethylbenzene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,3,5-Trimethylbenzene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,2,4-Trichlorobenzene	Not detected	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Trichlorotrifluoroethane	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Vinyl acetate	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
m/p-Xylene	< RDL	ug/kg		320	06/19/2008 19:21	RJM	EPA 8260B
o-Xylene	< RDL	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
2-Nitropropane	NA	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
Iodomethane	NA	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
trans-1,4-Dichloro-2-butene	NA	ug/kg		160	06/19/2008 19:21	RJM	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	106	%		0	06/19/2008 19:21	RJM	EPA 8260B
Toluene-d8 (surrogate)	110	%		0	06/19/2008 19:21	RJM	EPA 8260B
4-Bromofluorobenzene (surrogate)	119	%		0	06/19/2008 19:21	RJM	EPA 8260B

Analysis comment for Volatile Organic Compounds Expanded, wet: Not detected - For this compound, we determine whether the characteristic ion is present or absent at the correct chromatographic retention time and report results as detected or not detected.



# ROGERS & CALCOTT LABORATORY SERVICES

P.O. Box 5655, Greenville, SC 29606  
 Phone (864) 232-1556 Fax (864) 232-6140  
 Shipping Address: 718 Lowndes Hill Road  
 Greenville, SC 29607

## CHAIN OF CUSTODY RECORD

Client Name: PSC  
 Address: \_\_\_\_\_  
 Report To: John Foster  
 Telephone No. \_\_\_\_\_ FAX No. \_\_\_\_\_  
 PO No. \_\_\_\_\_ Project No. \_\_\_\_\_

Rogers & Calcott Lab No.	Yr. Date	Time	Sample Description
AC 36152	6-18	11:30	SB-3 (3.5-5.5')
36153	6-18	16:30	SR-7 (13.5-15.5')
36154	6-18	16:45	SR-6 (8.5-10.5')
36155	6-18	17:00	SB-5 (3.5-4.5')
36156	6-18	17:15	SB-8 (9.5-10.5')
36157	6-18	17:30	SR-4 (3.5-5.5')
36158	6-18	17:45	SB-3 (3.5-5.5')

SAMPLER Reinquished by (Sig.)	Date/Time	Received by (Sig.) Shipper Name & #	Date/Time	Total Number of Containers	PARAMETERS		Filtered (Yes/No)	Cooled (Yes/No)	Container Type (P/S)	Container Volume	Sample Type (Grab/Composite)	Sample Source (WW, GW, DW, Other)	Sample Source Chlorinated (Yes/No)	Lab Receipt Cl <sub>2</sub> Check	Lab Receipt pH Check	Preserved (Code)	COMMENTS
					6/18/08 30:00	6/18/08 20:00											
① SC Seal	6/18/08 30:00	② Norma Ballery	6/18/08 20:00	5	5	1	N	N									
③ Kept in secured area		④ Norma Ballery	6/19/08 0800	5	4	1	N	N									48 METAL for VOCs
⑤		⑤		5	4	1	N	N									

### KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample  
 At time of collection \_\_\_\_\_ °C  
 At time of lab receipt 2.6 °C



# ROGERS & CALLCOTT LABORATORY SERVICES

P.O. Box 5655, Greenville, SC 29606  
Phone (864) 232-1556 Fax (864) 232-6140  
Shipping Address: 718 Lowndes Hill Road  
Greenville, SC 29607

## CHAIN OF CUSTODY RECORD

Client Name

PSC

Address

Report To:

S. Foster

Telephone No.

FAX No.

PO No.

Project No.

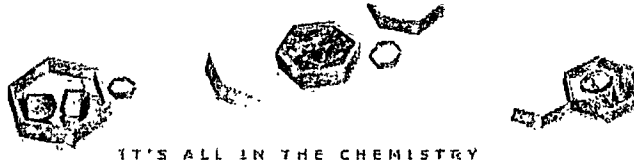
Rogers & Callcott Lab No.	Yr/MB Date	Time	Sample Description
30169	6-18	18:00	SR-2 (3.5-5.5')
30160	6-18	18:15	SR-1 (3.5-5.5')
30161	6-18	18:20	SR-1 (8.5-10.5')
30162	6-18	18:30	SR-2 (8.5-10.5')
30163	6-18	18:25	SR-3 (8.5-10.5')
30164	6-18	18:50	SR-4 (8.5-10.5')
SAMPLER Relinquished by (Sig.)			
① S. Foster 6/18/08 20:00			
Relinquished by (Sig.)			
③ [Signature] Date/Time			
Relinquished by (Sig.)			
⑤ [Signature] Date/Time			

Total Number of Containers	PARAMETERS	Filtered (Yes/No)		Cooled (Yes/No)		Container Type (P/G)		Container Volume		Sample Type (Grab/Composite)		Sample Source (WW, CW, DW, Other)		Sample Source Chlorinated (Yes/No)		Lab Receipt Cl <sub>2</sub> Check		Lab Receipt pH Check		Preserved (Code)		COMMENTS:
		Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	
5	VOCs 8000																					DO NOT ANALYZE PER D. MARLEY. See attached errata 0124103 000
5	7% Solids																					
5																						
6																						
6																						

### KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample

At time of collection \_\_\_\_\_ °C  
At time of lab receipt \_\_\_\_\_ °C



07/01/08

## Technical Report for

Philip Environmental Services Corp.

West Point Home: Clemson, SC

62403248

Accutest Job Number: F58411

Sampling Dates: 06/24/08 - 06/25/08



Report to:

Philip Environmental Services Corp.


DMarkley@pscnow.com

ATTN: Dale Markley

Total number of pages in report: 17



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

  
Harry Behzadi, Ph.D.  
Laboratory Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
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Test results relate only to samples analyzed.



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### Sample Summary

Philip Environmental Services Corp.

Job No: F58411

West Point Home: Clemson, SC  
 Project No: 62403248

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F58411-1	06/24/08	13:36	JHF	06/26/08	SO Soil	TEST PIT 13 (10'-3.5' DEEP)
F58411-2	06/24/08	14:40	JHF	06/26/08	SO Soil	TEST PIT 12 (18'-1' DEEP)
F58411-3	06/25/08	10:10	JHF	06/26/08	SO Soil	WS-3 12'
F58411-4	06/25/08	10:15	JHF	06/26/08	SO Soil	WS-4 12'
F58411-5	06/25/08	10:20	JHF	06/26/08	SO Soil	NS-2 12'

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Soil samples reported on a dry weight basis unless otherwise indicated on result page.



IT'S ALL IN THE CHEMISTRY

**Sample Results**

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**Report of Analysis**

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## Report of Analysis

2.1  
2

<b>Client Sample ID:</b> TEST PIT 13 (10'-3.5' DEEP)	<b>Date Sampled:</b> 06/24/08
<b>Lab Sample ID:</b> F58411-1	<b>Date Received:</b> 06/26/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 88.0
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H050065.D	1	06/30/08	SH	n/a	n/a	VH1863
Run #2 <sup>a</sup>	H050029.D	1	06/27/08	SH	n/a	n/a	VH1862

	Initial Weight
Run #1	4.18 g
Run #2	5.14 g

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	38.9	68	34	ug/kg	J
71-43-2	Benzene	ND	6.8	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	1.6	ug/kg	
75-25-2	Bromoform	ND	6.8	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.8	2.7	ug/kg	
67-66-3	Chloroform	ND	6.8	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	6.8	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	1.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	1.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	1.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	1.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
100-41-4	Ethylbenzene	4.2	6.8	1.4	ug/kg	J
591-78-6	2-Hexanone	ND	34	6.8	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	8.7	ug/kg	
74-83-9	Methyl bromide	ND	6.8	3.0	ug/kg	
74-87-3	Methyl chloride	ND	6.8	3.3	ug/kg	
75-09-2	Methylene chloride	ND	14	6.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.8	2.0	ug/kg	
100-42-5	Styrene	ND	6.8	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	1.4	ug/kg	
127-18-4	Tetrachloroethylene	243	6.8	1.6	ug/kg	
108-88-3	Toluene	ND	6.8	1.4	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> TEST PIT 13 (10'-3.5' DEEP)	<b>Date Sampled:</b> 06/24/08
<b>Lab Sample ID:</b> F58411-1	<b>Date Received:</b> 06/26/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 88.0
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	2.6	6.8	1.6	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	6.8	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	2.7	ug/kg	
1330-20-7	Xylene (total)	22.3	20	3.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	113%	80-121%
2037-26-5	Toluene-D8	116%	114%	71-130%
460-00-4	4-Bromofluorobenzene	122%	124%	59-148%
17060-07-0	1,2-Dichloroethane-D4	104%	128% <sup>b</sup>	77-123%

- (a) Confirmation run.
- (b) Outside control limits due to matrix interference.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b>	TEST PIT 12 (18'-1' DEEP)	
<b>Lab Sample ID:</b>	F58411-2	<b>Date Sampled:</b> 06/24/08
<b>Matrix:</b>	SO - Soil	<b>Date Received:</b> 06/26/08
<b>Method:</b>	SW846 8260B	<b>Percent Solids:</b> 84.9
<b>Project:</b>	West Point Home: Clemson, SC	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H050066.D	1	06/30/08	SH	n/a	n/a	VH1863
Run #2							

Run #	Initial Weight
Run #1	4.74 g
Run #2	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	62	31	ug/kg	
71-43-2	Benzene	ND	6.2	1.2	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	1.5	ug/kg	
75-25-2	Bromoform	ND	6.2	1.9	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.2	2.5	ug/kg	
67-66-3	Chloroform	ND	6.2	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	1.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	1.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	1.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	1.2	ug/kg	
591-78-6	2-Hexanone	ND	31	6.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	8.0	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.2	3.0	ug/kg	
75-09-2	Methylene chloride	ND	12	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.2	1.9	ug/kg	
100-42-5	Styrene	ND	6.2	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	1.5	ug/kg	
108-88-3	Toluene	ND	6.2	1.2	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

2.2  
2

<b>Client Sample ID:</b> TEST PIT 12 (18'-1' DEEP)	
<b>Lab Sample ID:</b> F58411-2	<b>Date Sampled:</b> 06/24/08
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/26/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 84.9
<b>Project:</b> West Point Home: Clemson, SC	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.2	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	3.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	103%		71-130%
460-00-4	4-Bromofluorobenzene	129%		59-148%
17060-07-0	1,2-Dichloroethane-D4	101%		77-123%

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> WS-3 12'		
<b>Lab Sample ID:</b> F58411-3		<b>Date Sampled:</b> 06/25/08
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/26/08
<b>Method:</b> SW846 8260B		<b>Percent Solids:</b> 81.8
<b>Project:</b> West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H050031.D	1	06/27/08	SH	n/a	n/a	VH1862
Run #2 <sup>a</sup>	H050040.D	1	06/27/08	SH	n/a	n/a	VH1862

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.24 g		
Run #2	4.03 g	5.0 ml	100 ul

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	72	36	ug/kg	
71-43-2	Benzene	ND	7.2	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	7.2	1.7	ug/kg	
75-25-2	Bromoform	ND	7.2	2.2	ug/kg	
108-90-7	Chlorobenzene	ND	7.2	1.4	ug/kg	
75-00-3	Chloroethane	ND	7.2	2.9	ug/kg	
67-66-3	Chloroform	ND	7.2	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	7.2	1.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.2	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.2	2.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.2	1.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.2	1.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.2	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	7.2	1.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.2	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.2	1.9	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.2	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.2	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	7.2	1.4	ug/kg	
591-78-6	2-Hexanone	ND	36	7.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	36	9.2	ug/kg	
74-83-9	Methyl bromide	ND	7.2	3.2	ug/kg	
74-87-3	Methyl chloride	ND	7.2	3.5	ug/kg	
75-09-2	Methylene chloride	ND	14	7.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	36	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.2	2.2	ug/kg	
100-42-5	Styrene	ND	7.2	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.2	1.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.2	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.2	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.2	1.7	ug/kg	
108-88-3	Toluene	ND	7.2	1.4	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



Report of Analysis



<b>Client Sample ID:</b> WS-3 12'	
<b>Lab Sample ID:</b> F58411-3	<b>Date Sampled:</b> 06/25/08
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/26/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 81.8
<b>Project:</b> West Point Home: Clemson, SC	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	7.2	1.7	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.2	2.9	ug/kg	
75-01-4	Vinyl chloride	ND	7.2	2.9	ug/kg	
1330-20-7	Xylene (total)	140	22	4.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	109%	80-121%
2037-26-5	Toluene-D8	100%	103%	71-130%
460-00-4	4-Bromofluorobenzene	96%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	114%	121%	77-123%

(a) Confirmation run.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

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2

<b>Client Sample ID:</b> WS-4 12'		
<b>Lab Sample ID:</b> F58411-4	<b>Date Sampled:</b> 06/25/08	
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/26/08	
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 82.8	
<b>Project:</b> West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H050067.D	1	06/30/08	SH	n/a	n/a	VH1863
Run #2							

Run #	Initial Weight
Run #1	4.41 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	68	34	ug/kg	
71-43-2	Benzene	ND	6.8	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	1.6	ug/kg	
75-25-2	Bromoform	ND	6.8	2.1	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.8	2.7	ug/kg	
67-66-3	Chloroform	ND	6.8	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	6.8	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	1.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	1.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	1.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	1.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.8	1.4	ug/kg	
591-78-6	2-Hexanone	ND	34	6.8	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	8.8	ug/kg	
74-83-9	Methyl bromide	ND	6.8	3.0	ug/kg	
74-87-3	Methyl chloride	ND	6.8	3.3	ug/kg	
75-09-2	Methylene chloride	ND	14	6.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.8	2.1	ug/kg	
100-42-5	Styrene	ND	6.8	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	1.6	ug/kg	
108-88-3	Toluene	ND	6.8	1.4	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> WS-4 12'	
<b>Lab Sample ID:</b> F58411-4	<b>Date Sampled:</b> 06/25/08
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/26/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 82.8
<b>Project:</b> West Point Home: Clemson, SC	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.8	1.6	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.8	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	2.7	ug/kg	
1330-20-7	Xylene (total)	ND	21	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	103%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	101%		77-123%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> NS-2 12'	
<b>Lab Sample ID:</b> F58411-5	<b>Date Sampled:</b> 06/25/08
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/26/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 81.7
<b>Project:</b> West Point Home: Clemson, SC	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H050068.D	1	06/30/08	SH	n/a	n/a	VH1863
Run #2							

Run #	Initial Weight
Run #1	5.57 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	55	27	ug/kg	
71-43-2	Benzene	ND	5.5	1.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	1.3	ug/kg	
75-25-2	Bromoform	ND	5.5	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.5	2.2	ug/kg	
67-66-3	Chloroform	ND	5.5	1.9	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.5	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	5.5	1.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	1.1	ug/kg	
100-41-4	Ethylbenzene	1.2	5.5	1.1	ug/kg	J
591-78-6	2-Hexanone	ND	27	5.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	7.0	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	9.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	1.6	ug/kg	
100-42-5	Styrene	ND	5.5	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	1.3	ug/kg	
108-88-3	Toluene	ND	5.5	1.1	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> NS-2 12'	
<b>Lab Sample ID:</b> F58411-5	<b>Date Sampled:</b> 06/25/08
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/26/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 81.7
<b>Project:</b> West Point Home: Clemson, SC	

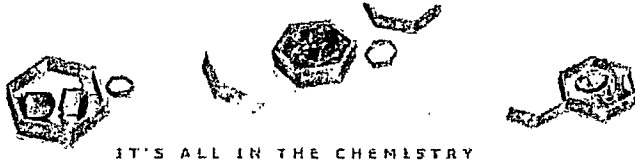
VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	2.2	ug/kg	
1330-20-7	Xylene (total)	ND	16	3.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	105%		71-130%
460-00-4	4-Bromofluorobenzene	105%		59-148%
17060-07-0	1,2-Dichloroethane-D4	104%		77-123%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



IT'S ALL IN THE CHEMISTRY



## Misc. Forms

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## Custody Documents and Other Forms

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Includes the following where applicable:

- Certification Exceptions
- Chain of Custody



# Accutest Laboratories Southeast Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, FL 32811  
TEL: 407-425-6700 • FAX: 407-425-0707

**F58411**  
Accutest JOB #

26440

PAGE 1 OF 1

Client / Reporting Information		Project Information		Analytical Information		Matrix Codes	
Company Name <i>Philip Environmental Services Corp</i>		Project Name <i>West Point Homes Inc.</i>				DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe	
Address <i>710 West Sand Bank Rd.</i>		Street <i>500 W. Cherry Rd.</i>					
City <i>Columbia</i> State <i>Illinois</i> Zip <i>62236</i>		City <i>Clemson</i> State <i>SC</i>					
Project Contact <i>Dale Munkley</i> Email <i>DMunkley@pscorp.com</i>		Project # <i>62403248</i>					
Phone <i>618-281-1540</i>		Fax #					
Sampler(s) Name(s) (Printed) <i>John Foster</i>		Client Purchase Order #					

Accutest Sample #	Field ID / Point of Collection	COLLECTION		SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	SIZE	PC	PCD	PCDD	PCDDC	NON-HALIC	ST WATER	WCH	WCHC	LAB USE ONLY	
		DATE	TIME															
1	Test Pit 13 (10' - 3.5' deep)	6/24/08	1331	JHF	SO	45	X	X									4	1
2	Test Pit 12 (18' - 1' deep)	6/25/08	1410		SO	4		X						X	X		3	1
3	WS-3 12'	6/25/08	1010		SO	4		X					X	X		3	1	
4	WS-4 12'	6/25/08	1015		SO	4		X					X	X		3	1	
5	WS-2 12'	6/25/08	1020		SO	4		X					X	X		3	1	

TURNAROUND TIME (Business Days)		Date Deliverable Information		Comments / Remarks	
<input type="checkbox"/> 10 Days Standard <input type="checkbox"/> 7 Day RUSH <input checked="" type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input type="checkbox"/> OTHER		Approved By: / Rush Code _____ <input type="checkbox"/> COMMERCIAL "A" (RESULTS ONLY) <input type="checkbox"/> COMMERCIAL "B" (RESULTS PLUS QC) <input type="checkbox"/> REDT1 (EPA LEVEL 3) <input type="checkbox"/> FULT1 (EPA LEVEL 4) <input type="checkbox"/> EDD'S			

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: <i>John Foster</i>	Date Time: <i>6/25/08 1505</i>	Received By: <i>FRANK UPS</i>	Date Time: <i>6/25/08 1505</i>	Relinquished by: <i>UPS</i>	Date Time: <i>6/25/08 1505</i>	Received By: <i>Philip Munkley</i>	Date Time: <i>6/26/08</i>
Relinquished by: <i>John Foster</i>	Date Time: <i>6/25/08 1505</i>	Received By: <i>FRANK UPS</i>	Date Time: <i>6/25/08 1505</i>	Relinquished by: <i>UPS</i>	Date Time: <i>6/25/08 1505</i>	Received By: <i>Philip Munkley</i>	Date Time: <i>6/26/08</i>

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 1 Cooler Temperature (s) Celsius: 3.3



**ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION**

ACCUTEST'S JOB NUMBER: F58411 CLIENT: Philip Enigrem PROJECT: West Point homes  
 DATE/TIME RECEIVED: 06-26-08 1000 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.0  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER  
 AIRBILL NUMBERS: 1Z 41X 458 01 4028 3012

- COOLER INFORMATION**
- CUSTODY SEAL NOT PRESENT OR NOT INTACT
  - CHAIN OF CUSTODY NOT RECEIVED (COC)
  - ANALYSIS REQUESTED IS UNCLEAR OR MISSING
  - SAMPLE DATES OR TIMES UNCLEAR OR MISSING
  - TEMPERATURE CRITERIA NOT MET
  - WET ICE RECEIVED IN COOLER

- TRIP BLANK INFORMATION**
- TRIP BLANK PROVIDED
  - TRIP BLANK NOT PROVIDED
  - TRIP BLANK NOT ON COC
  - TRIP BLANK INTACT
  - TRIP BLANK NOT INTACT
  - RECEIVED WATER TRIP BLANK
  - RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 0  
 NUMBER OF 5035 FIELD KITS ? 5  
 NUMBER OF LAB FILTERED METALS ? 0

- SAMPLE INFORMATION**
- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
  - CORRECT NUMBER OF CONTAINERS USED
  - SAMPLE RECEIVED IMPROPERLY PRESERVED
  - INSUFFICIENT VOLUME FOR ANALYSIS
  - TIMES ON COC DOES NOT MATCH LABEL(S)
  - ID'S ON COC DOES NOT MATCH LABEL(S)
  - VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
  - BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
  - NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
  - UNCLEAR FILTERING INSTRUCTIONS
  - UNCLEAR COMPOSITING INSTRUCTIONS
  - SAMPLE CONTAINER(S) RECEIVED BROKEN
  - % SOLIDS JAR NOT RECEIVED
  - 5035 FIELD KIT NOT FROZEN WITHIN 48 HOURS
  - RESIDUAL CHLORINE PRESENT
- ( APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: For sample #1 Received 3 vials preserved with (6.0M) (NaHSO4) and 1 with (NRON)

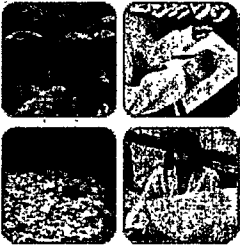
TECHNICIAN SIGNATURE/DATE F-M. 06-26-08 TECHNICIAN SIGNATURE/DATE JE 6-26-08 ASBD 12/17/07





IT'S ALL IN THE CHEMISTRY

06/27/08



**Technical Report for**

**Philip Environmental Services Corp.**

West Point Home: Clemson, SC

62403248

Accutest Job Number: F58077

Sampling Dates: 06/04/08 - 06/06/08

Report to:

Philip Environmental Services Corp.

DMarkley@pscnow.com

ATTN: Dale Markley

Total number of pages in report: 14



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

*Harry Behzadi*  
Harry Behzadi, Ph.D.  
Laboratory Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.



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### Sample Summary

Philip Environmental Services Corp.

Job No: F58077

West Point Home: Clemson, SC  
Project No: 62403248

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F58077-1	06/04/08	10:10 JF	06/07/08	SO	Soil	PIT 3 UNDER SIDE CONCRETE
F58077-2	06/04/08	16:00 JF	06/07/08	SO	Soil	CLEAN STOCK PIT
F58077-3	06/06/08	11:30 JF	06/07/08	SO	Soil	TEST PIT AREA 2 21'

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Soil samples reported on a dry weight basis unless otherwise indicated on result page.



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**Sample Results**

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Report of Analysis

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Report of Analysis

Client Sample ID: PIT 3 UNDER SIDE CONCRETE		Date Sampled: 06/04/08
Lab Sample ID: F58077-1		Date Received: 06/07/08
Matrix: SO - Soil		Percent Solids: 66.1
Method: SW846 8260B		
Project: West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	G0050883.D	1	06/09/08	SH	n/a	n/a	VG1926
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.33 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10600	5600	2800	ug/kg	
71-43-2	Benzene	ND	560	110	ug/kg	
75-27-4	Bromodichloromethane	ND	560	140	ug/kg	
75-25-2	Bromoform	ND	560	170	ug/kg	
108-90-7	Chlorobenzene	ND	560	110	ug/kg	
75-00-3	Chloroethane	ND	560	230	ug/kg	
67-66-3	Chloroform	ND	560	190	ug/kg	
75-15-0	Carbon disulfide	ND	560	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	560	160	ug/kg	
75-34-3	1,1-Dichloroethane	ND	560	230	ug/kg	
75-35-4	1,1-Dichloroethylene	166	560	150	ug/kg	J
107-06-2	1,2-Dichloroethane	ND	560	120	ug/kg	
78-87-5	1,2-Dichloropropane	ND	560	160	ug/kg	
124-48-1	Dibromochloromethane	ND	560	110	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	560	180	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	560	150	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	560	140	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	560	110	ug/kg	
100-41-4	Ethylbenzene	5580	560	110	ug/kg	
591-78-6	2-Hexanone	ND	2800	560	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	2800	720	ug/kg	
74-83-9	Methyl bromide	ND	560	250	ug/kg	
74-87-3	Methyl chloride	ND	560	270	ug/kg	
75-09-2	Methylene chloride <sup>b</sup>	1250	1100	560	ug/kg	
78-93-3	Methyl ethyl ketone	ND	2800	940	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	560	170	ug/kg	
100-42-5	Styrene	ND	560	110	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	560	120	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	560	200	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	560	110	ug/kg	
127-18-4	Tetrachloroethylene	ND	560	140	ug/kg	
108-88-3	Toluene	ND	560	110	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

<b>Client Sample ID:</b> PIT 3 UNDER SIDE CONCRETE	
<b>Lab Sample ID:</b> F58077-1	<b>Date Sampled:</b> 06/04/08
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/07/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 66.1
<b>Project:</b> West Point Home: Clemson, SC	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	560	140	ug/kg	
75-69-4	Trichlorofluoromethane	19800	560	230	ug/kg	
75-01-4	Vinyl chloride	ND	560	230	ug/kg	
1330-20-7	Xylene (total)	23800	1700	330	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	98%		77-123%

- (a) Methanol extract analysis required due to matrix interference.
- (b) Suspected laboratory contaminant.

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> CLEAN STOCK PIT	
<b>Lab Sample ID:</b> F58077-2	<b>Date Sampled:</b> 06/04/08
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/07/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 73.7
<b>Project:</b> West Point Home: Clemson, SC	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	G0050886.D	1	06/09/08	SH	n/a	n/a	VG1926
Run #2							

Run #	Initial Weight
Run #1	5.00 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	68	34	ug/kg	
71-43-2	Benzene	ND	6.8	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	1.6	ug/kg	
75-25-2	Bromoform	ND	6.8	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.8	2.7	ug/kg	
67-66-3	Chloroform	ND	6.8	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	6.8	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	1.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	1.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	1.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	1.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
100-41-4	Ethylbenzene	29.1	6.8	1.4	ug/kg	
591-78-6	2-Hexanone	ND	34	6.8	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	8.7	ug/kg	
74-83-9	Methyl bromide	ND	6.8	3.0	ug/kg	
74-87-3	Methyl chloride	ND	6.8	3.3	ug/kg	
75-09-2	Methylene chloride <sup>b</sup>	8.8	14	6.8	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	34	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.8	2.0	ug/kg	
100-42-5	Styrene	ND	6.8	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	1.6	ug/kg	
108-88-3	Toluene	ND	6.8	1.4	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

<b>Client Sample ID:</b> CLEAN STOCK PIT	
<b>Lab Sample ID:</b> F58077-2	<b>Date Sampled:</b> 06/04/08
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/07/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 73.7
<b>Project:</b> West Point Home: Clemson, SC	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.8	1.6	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.8	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	2.7	ug/kg	
1330-20-7	Xylene (total)	211	20	3.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	97%		77-123%

- (a) Soil vials were not preserved within 48 hours of sampling; results are considered minimum values.
- (b) Suspected laboratory contaminant.

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> TEST PIT AREA 2 21'	<b>Date Sampled:</b> 06/06/08
<b>Lab Sample ID:</b> F58077-3	<b>Date Received:</b> 06/07/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 73.7
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049631.D	1	06/12/08	SH	n/a	n/a	VH1848
Run #2	H049634.D	10	06/12/08	SH	n/a	n/a	VH1848

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.26 g	5.0 ml	10.0 ul
Run #2	4.26 g	5.0 ml	10.0 ul

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	49000	24000	ug/kg	
71-43-2	Benzene	ND	4900	970	ug/kg	
75-27-4	Bromodichloromethane	ND	4900	1200	ug/kg	
75-25-2	Bromoform	ND	4900	1500	ug/kg	
108-90-7	Chlorobenzene	ND	4900	970	ug/kg	
75-00-3	Chloroethane	ND	4900	1900	ug/kg	
67-66-3	Chloroform	ND	4900	1700	ug/kg	
75-15-0	Carbon disulfide	ND	4900	1100	ug/kg	
56-23-5	Carbon tetrachloride	ND	4900	1400	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4900	1900	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4900	1300	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4900	1100	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4900	1400	ug/kg	
124-48-1	Dibromochloromethane	ND	4900	970	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4900	1600	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4900	1300	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4900	1200	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4900	970	ug/kg	
100-41-4	Ethylbenzene	194000 <sup>a</sup>	49000	9700	ug/kg	
591-78-6	2-Hexanone	ND	24000	4900	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24000	6200	ug/kg	
74-83-9	Methyl bromide	ND	4900	2100	ug/kg	
74-87-3	Methyl chloride	ND	4900	2300	ug/kg	
75-09-2	Methylene chloride <sup>b</sup>	9450	9700	4900	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	24000	8100	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4900	1500	ug/kg	
100-42-5	Styrene	ND	4900	970	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4900	1100	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4900	1800	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4900	970	ug/kg	
127-18-4	Tetrachloroethylene	ND	4900	1200	ug/kg	
108-88-3	Toluene	ND	4900	970	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> TEST PIT AREA 2 21'	
<b>Lab Sample ID:</b> F58077-3	<b>Date Sampled:</b> 06/06/08
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/07/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 73.7
<b>Project:</b> West Point Home: Clemson, SC	

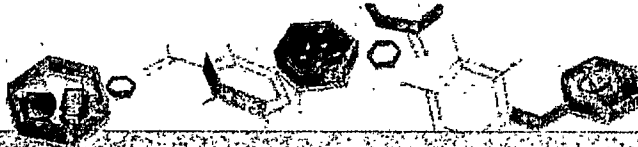
**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	4900	1200	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4900	1900	ug/kg	
75-01-4	Vinyl chloride	ND	4900	1900	ug/kg	
1330-20-7	Xylene (total)	675000 a	150000	28000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	101%	80-121%
2037-26-5	Toluene-D8	103%	103%	71-130%
460-00-4	4-Bromofluorobenzene	94%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	106%	77-123%

- (a) Result is from Run# 2
- (b) Suspected laboratory contaminant.

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound



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**Misc. Forms**

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**Custody Documents and Other Forms**

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Includes the following where applicable:

- Certification Exceptions
- Chain of Custody



**ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION**

ACCUTEST'S JOB NUMBER: F58077 CLIENT: Phillips ENV. PROJECT: West Point Homes  
 DATE/TIME RECEIVED: 06-07-08 11:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.2  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER  
 AIRBILL NUMBERS: 1241X4584441265183

**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET
- WET ICE RECEIVED IN COOLER

**TRIP BLANK INFORMATION**

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 0  
 NUMBER OF 5035 FIELD KITS ? 3  
 NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: Samples # 1 (6-4-08) (1010) AND # 2 (6-4-08) (1060) Received out of hold.

Samples were frozen on (6-7-08) @ 11:30

**SAMPLE INFORMATION**

- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
  - CORRECT NUMBER OF CONTAINERS USED
  - SAMPLE RECEIVED IMPROPERLY PRESERVED
  - INSUFFICIENT VOLUME FOR ANALYSIS
  - TIMES ON COC DOES NOT MATCH LABEL(S)
  - ID'S ON COC DOES NOT MATCH LABEL(S)
  - VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
  - BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
  - NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
  - UNCLEAR FILTERING INSTRUCTIONS
  - UNCLEAR COMPOSITING INSTRUCTIONS
  - SAMPLE CONTAINER(S) RECEIVED BROKEN
  - % SOLIDS JAR NOT RECEIVED
  - 5035 FIELD KIT NOT FROZEN WITHIN 48 HOURS
  - RESIDUAL CHLORINE PRESENT
- (APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TECHNICIAN SIGNATURE/DATE F.M. 06-07-08 TECHNICIAN SIGNATURE/DATE JC 6-7-08 ASBD 12/17/07

3.1  
3

F58077: Chain of Custody

Page 2 of 3

**Job Change Order: F58077\_6/10/2008**

<b>Requested Date:</b>	6/10/2008	<b>Received Date:</b>	6/7/2008
<b>Account Name:</b>	Philip Environmental Services Corp.	<b>Due Date:</b>	6/12/2008
<b>Project Description:</b>	West Point Home: Clemson, SC	<b>Deliverable:</b>	COMMB
<b>CSR:</b>	SB	<b>TAT (Days):</b>	10

**Sample #:** F58077-all  
**Change:** Per Dale M @ PSC via e-mail 06.09.08, run these even though VOC 5035s were not frozen within 48hrs of sample collection.

**Above Changes** Dale M @ PSC via e-mail 06.09.08 **Date:** 6/10/2008

**F58077: Chain of Custody**  
**Page 3 of 3**

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service



ITS ALL IN THE CHEMISTRY

06/27/08



**Technical Report for**

**Philip Environmental Services Corp.**

West Point Home: Clemson, SC

62403248

Accutest Job Number: F58145

Sampling Dates: 06/10/08 - 06/11/08

Report to:

Philip Environmental Services Corp.  
  
DMarkley@pscnow.com  
ATTN: Dale Markley

Total number of pages in report: 27



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

*Harry Behzadi*  
Harry Behzadi, Ph.D.  
Laboratory Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.

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### Sample Summary

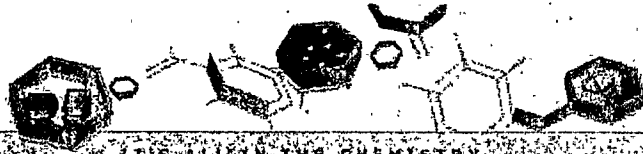
Philip Environmental Services Corp.

Job No: F58145

West Point Home: Clemson, SC  
 Project No: 62403248

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F58145-1	06/10/08	14:00 JHF	06/12/08	SO	Soil	TEST PIT 9 19'
F58145-2	06/10/08	14:25 JHF	06/12/08	SO	Soil	TEST PIT 8 10'
F58145-3	06/11/08	13:00 JHF	06/12/08	SO	Soil	WB 10'
F58145-4	06/11/08	13:05 JHF	06/12/08	SO	Soil	WA 10'
F58145-5	06/11/08	13:25 JHF	06/12/08	SO	Soil	WC 10'
F58145-6	06/11/08	13:35 JHF	06/12/08	SO	Soil	BS-2 12'
F58145-7	06/11/08	14:05 JHF	06/12/08	SO	Soil	TEST PIT 10 9'
F58145-8	06/11/08	15:10 JHF	06/12/08	SO	Soil	TEST PIT 11 10'
F58145-9	06/11/08	15:12 JHF	06/12/08	SO	Soil	TEST PIT 11 15'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



**Sample Results**

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Report of Analysis

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### Report of Analysis

<b>Client Sample ID:</b> TEST PIT 9 19'	<b>Date Sampled:</b> 06/10/08
<b>Lab Sample ID:</b> F58145-1	<b>Date Received:</b> 06/12/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 79.6
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0051109.D	1	06/18/08	SH	n/a	n/a	VG1936
Run #2							

Run #	Initial Weight
Run #1	4.38 g
Run #2	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	72	36	ug/kg	
71-43-2	Benzene	ND	7.2	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	7.2	1.7	ug/kg	
75-25-2	Bromoform	ND	7.2	2.2	ug/kg	
108-90-7	Chlorobenzene	ND	7.2	1.4	ug/kg	
75-00-3	Chloroethane	ND	7.2	2.9	ug/kg	
67-66-3	Chloroform	ND	7.2	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	7.2	1.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.2	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.2	2.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.2	1.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.2	1.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.2	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	7.2	1.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.2	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.2	1.9	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.2	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.2	1.4	ug/kg	
100-41-4	Ethylbenzene	2.7	7.2	1.4	ug/kg	J
591-78-6	2-Hexanone	ND	36	7.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	36	9.2	ug/kg	
74-83-9	Methyl bromide	ND	7.2	3.2	ug/kg	
74-87-3	Methyl chloride	ND	7.2	3.4	ug/kg	
75-09-2	Methylene chloride	ND	14	7.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	36	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.2	2.2	ug/kg	
100-42-5	Styrene	ND	7.2	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.2	1.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.2	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.2	1.4	ug/kg	
127-18-4	Tetrachloroethylene	14.8	7.2	1.7	ug/kg	
108-88-3	Toluene	ND	7.2	1.4	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> TEST PIT 9 19'	
<b>Lab Sample ID:</b> F58145-1	<b>Date Sampled:</b> 06/10/08
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/12/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 79.6
<b>Project:</b> West Point Home: Clemson, SC	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	1.9	7.2	1.7	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	7.2	2.9	ug/kg	
75-01-4	Vinyl chloride	ND	7.2	2.9	ug/kg	
1330-20-7	Xylene (total)	8.0	22	4.2	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	93%		77-123%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> TEST PIT 8 10'	<b>Date Sampled:</b> 06/10/08
<b>Lab Sample ID:</b> F58145-2	<b>Date Received:</b> 06/12/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 79.7
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0051110.D	1	06/18/08	SH	n/a	n/a	VG1936
Run #2							

Run #	Initial Weight
Run #1	3.65 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	85.1	86	43	ug/kg	J
71-43-2	Benzene	ND	8.6	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	8.6	2.1	ug/kg	
75-25-2	Bromoform	ND	8.6	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	8.6	1.7	ug/kg	
75-00-3	Chloroethane	ND	8.6	3.4	ug/kg	
67-66-3	Chloroform	ND	8.6	2.9	ug/kg	
75-15-0	Carbon disulfide	11.1	8.6	1.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	8.6	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8.6	3.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	8.6	2.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	8.6	1.9	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8.6	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	8.6	1.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	8.6	2.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8.6	2.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	8.6	2.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	8.6	1.7	ug/kg	
100-41-4	Ethylbenzene	213	8.6	1.7	ug/kg	
591-78-6	2-Hexanone	ND	43	8.6	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	43	11	ug/kg	
74-83-9	Methyl bromide	ND	8.6	3.8	ug/kg	
74-87-3	Methyl chloride	ND	8.6	4.1	ug/kg	
75-09-2	Methylene chloride	ND	17	8.6	ug/kg	
78-93-3	Methyl ethyl ketone	14.2	43	14	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	8.6	2.6	ug/kg	
100-42-5	Styrene	ND	8.6	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	8.6	1.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.6	3.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	8.6	1.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	8.6	2.1	ug/kg	
108-88-3	Toluene	ND	8.6	1.7	ug/kg	

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E' = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> TEST PIT 8 10'	<b>Date Sampled:</b> 06/10/08
<b>Lab Sample ID:</b> F58145-2	<b>Date Received:</b> 06/12/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 79.7
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	8.6	2.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	8.6	3.4	ug/kg	
75-01-4	Vinyl chloride	ND	8.6	3.4	ug/kg	
1330-20-7	Xylene (total)	113	26	5.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-121%
2037-26-5	Toluene-D8	104%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	96%		77-123%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> WB 10'	<b>Date Sampled:</b> 06/11/08
<b>Lab Sample ID:</b> F58145-3	<b>Date Received:</b> 06/12/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 89.6
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0051111.D	1	06/18/08	SH	n/a	n/a	VG1936
Run #2							

Run #	Initial Weight
Run #1	4.09 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	106	68	34	ug/kg	
71-43-2	Benzene	ND	6.8	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	1.6	ug/kg	
75-25-2	Bromoform	ND	6.8	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.8	2.7	ug/kg	
67-66-3	Chloroform	ND	6.8	2.3	ug/kg	
75-15-0	Carbon disulfide	11.7	6.8	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	1.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	1.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	1.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	1.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
100-41-4	Ethylbenzene	31.3	6.8	1.4	ug/kg	
591-78-6	2-Hexanone	ND	34	6.8	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	8.7	ug/kg	
74-83-9	Methyl bromide	ND	6.8	3.0	ug/kg	
74-87-3	Methyl chloride	ND	6.8	3.3	ug/kg	
75-09-2	Methylene chloride <sup>a</sup>	7.1	14	6.8	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	34	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.8	2.0	ug/kg	
100-42-5	Styrene	ND	6.8	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	1.6	ug/kg	
108-88-3	Toluene	ND	6.8	1.4	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

<b>Client Sample ID:</b> WB 10'	<b>Date Sampled:</b> 06/11/08
<b>Lab Sample ID:</b> F58145-3	<b>Date Received:</b> 06/12/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 89.6
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.8	1.6	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.8	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	2.7	ug/kg	
1330-20-7	Xylene (total)	15.6	20	4.0	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-121%
2037-26-5	Toluene-D8	101%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	97%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



### Report of Analysis

<b>Client Sample ID:</b> WA 10'	<b>Date Sampled:</b> 06/11/08
<b>Lab Sample ID:</b> F58145-4	<b>Date Received:</b> 06/12/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 81.7
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0051112.D	1	06/18/08	SH	n/a	n/a	VG1936
Run #2							

Run #	Initial Weight
Run #1	3.99 g
Run #2	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	50.3	77	38	ug/kg	J
71-43-2	Benzene	ND	7.7	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	7.7	1.8	ug/kg	
75-25-2	Bromoform	ND	7.7	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	7.7	1.5	ug/kg	
75-00-3	Chloroethane	ND	7.7	3.1	ug/kg	
67-66-3	Chloroform	ND	7.7	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	7.7	1.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.7	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.7	3.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.7	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.7	1.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.7	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	7.7	1.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.7	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.7	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.7	1.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.7	1.5	ug/kg	
100-41-4	Ethylbenzene	15.5	7.7	1.5	ug/kg	
591-78-6	2-Hexanone	ND	38	7.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	38	9.8	ug/kg	
74-83-9	Methyl bromide	ND	7.7	3.4	ug/kg	
74-87-3	Methyl chloride	ND	7.7	3.7	ug/kg	
75-09-2	Methylene chloride	ND	15	7.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	38	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.7	2.3	ug/kg	
100-42-5	Styrene	ND	7.7	1.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.7	1.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.7	2.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.7	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.7	1.8	ug/kg	
108-88-3	Toluene	ND	7.7	1.5	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WA 10'	Date Sampled:	06/11/08
Lab Sample ID:	F58145-4	Date Received:	06/12/08
Matrix:	SO - Soil	Percent Solids:	81.7
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	7.7	1.8	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.7	3.1	ug/kg	
75-01-4	Vinyl chloride	ND	7.7	3.1	ug/kg	
1330-20-7	Xylene (total)	36.9	23	4.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	103%		59-148%
17060-07-0	1,2-Dichloroethane-D4	92%		77-123%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



### Report of Analysis

<b>Client Sample ID:</b> WC 10'	<b>Date Sampled:</b> 06/11/08
<b>Lab Sample ID:</b> F58145-5	<b>Date Received:</b> 06/12/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 79.0
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	43000	10000	ug/kg	
75-69-4	Trichlorofluoromethane	ND	43000	17000	ug/kg	
75-01-4	Vinyl chloride	ND	43000	17000	ug/kg	
1330-20-7	Xylene (total)	1370000	130000	25000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	103%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 2

<b>Client Sample ID:</b> BS-2 12'	
<b>Lab Sample ID:</b> F58145-6	<b>Date Sampled:</b> 06/11/08
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/12/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 79.8
<b>Project:</b> West Point Home: Clemson, SC	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0051106.D	10	06/18/08	SH	n/a	n/a	VG1936
Run #2	G0051117.D	100	06/18/08	SH	n/a	n/a	VG1936

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.40 g	5.0 ml	10.0 ul
Run #2	4.40 g	5.0 ml	10.0 ul

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	420000	210000	ug/kg	
71-43-2	Benzene	ND	42000	8400	ug/kg	
75-27-4	Bromodichloromethane	ND	42000	10000	ug/kg	
75-25-2	Bromoform	ND	42000	13000	ug/kg	
108-90-7	Chlorobenzene	ND	42000	8400	ug/kg	
75-00-3	Chloroethane	ND	42000	17000	ug/kg	
67-66-3	Chloroform	ND	42000	14000	ug/kg	
75-15-0	Carbon disulfide	ND	42000	9200	ug/kg	
56-23-5	Carbon tetrachloride	ND	42000	12000	ug/kg	
75-34-3	1,1-Dichloroethane	ND	42000	17000	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	42000	11000	ug/kg	
107-06-2	1,2-Dichloroethane	ND	42000	9200	ug/kg	
78-87-5	1,2-Dichloropropane	ND	42000	12000	ug/kg	
124-48-1	Dibromochloromethane	ND	42000	8400	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	42000	13000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	42000	11000	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	42000	10000	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	42000	8400	ug/kg	
100-41-4	Ethylbenzene	1530000	42000	8400	ug/kg	
591-78-6	2-Hexanone	ND	210000	42000	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	210000	54000	ug/kg	
74-83-9	Methyl bromide	ND	42000	18000	ug/kg	
74-87-3	Methyl chloride	ND	42000	20000	ug/kg	
75-09-2	Methylene chloride	ND	84000	42000	ug/kg	
78-93-3	Methyl ethyl ketone	ND	210000	70000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	42000	13000	ug/kg	
100-42-5	Styrene	ND	42000	8400	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	42000	9200	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	42000	15000	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	42000	8400	ug/kg	
127-18-4	Tetrachloroethylene	ND	42000	10000	ug/kg	
108-88-3	Toluene	ND	42000	8400	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> BS-2 12'	<b>Date Sampled:</b> 06/11/08
<b>Lab Sample ID:</b> F58145-6	<b>Date Received:</b> 06/12/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 79.8
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	42000	10000	ug/kg	
75-69-4	Trichlorofluoromethane	ND	42000	17000	ug/kg	
75-01-4	Vinyl chloride	ND	42000	17000	ug/kg	
1330-20-7	Xylene (total)	7030000 a	1300000	240000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	95%	80-121%
2037-26-5	Toluene-D8	106%	97%	71-130%
460-00-4	4-Bromofluorobenzene	97%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	97%	95%	77-123%

(a) Result is from Run# 2

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> TEST PIT 10 9'	<b>Date Sampled:</b> 06/11/08
<b>Lab Sample ID:</b> F58145-7	<b>Date Received:</b> 06/12/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 80.9
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0051113.D	1	06/18/08	SH	n/a	n/a	VG1936
Run #2							

Run #	Initial Weight
Run #1	4.48 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	69	34	ug/kg	
71-43-2	Benzene	ND	6.9	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.9	1.7	ug/kg	
75-25-2	Bromoform	ND	6.9	2.1	ug/kg	
108-90-7	Chlorobenzene	ND	6.9	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.9	2.8	ug/kg	
67-66-3	Chloroform	ND	6.9	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	6.9	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.9	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.9	2.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.9	1.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.9	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.9	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	6.9	1.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.9	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.9	1.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.9	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.9	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.9	1.4	ug/kg	
591-78-6	2-Hexanone	ND	34	6.9	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	8.8	ug/kg	
74-83-9	Methyl bromide	ND	6.9	3.0	ug/kg	
74-87-3	Methyl chloride	ND	6.9	3.3	ug/kg	
75-09-2	Methylene chloride	ND	14	6.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.9	2.1	ug/kg	
100-42-5	Styrene	ND	6.9	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.9	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.9	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.9	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.9	1.7	ug/kg	
108-88-3	Toluene	ND	6.9	1.4	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> TEST PIT 10 9'	<b>Date Sampled:</b> 06/11/08
<b>Lab Sample ID:</b> F58145-7	<b>Date Received:</b> 06/12/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 80.9
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.9	1.7	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.9	2.8	ug/kg	
75-01-4	Vinyl chloride	ND	6.9	2.8	ug/kg	
1330-20-7	Xylene (total)	ND	21	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	96%		77-123%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



### Report of Analysis

<b>Client Sample ID:</b> TEST PIT 11 10'	
<b>Lab Sample ID:</b> F58145-8	<b>Date Sampled:</b> 06/11/08
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/12/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 77.4
<b>Project:</b> West Point Home: Clemson, SC	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	G0051107.D	1	06/18/08	SH	n/a	n/a	VG1936

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	4.25 g	5.0 ml	20.0 ul

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	23000	11000	ug/kg	
71-43-2	Benzene	ND	2300	450	ug/kg	
75-27-4	Bromodichloromethane	ND	2300	540	ug/kg	
75-25-2	Bromoform	ND	2300	680	ug/kg	
108-90-7	Chlorobenzene	ND	2300	450	ug/kg	
75-00-3	Chloroethane	ND	2300	910	ug/kg	
67-66-3	Chloroform	ND	2300	770	ug/kg	
75-15-0	Carbon disulfide	ND	2300	500	ug/kg	
56-23-5	Carbon tetrachloride	ND	2300	630	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2300	910	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	2300	590	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2300	500	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2300	630	ug/kg	
124-48-1	Dibromochloromethane	ND	2300	450	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	2300	720	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2300	590	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	2300	540	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2300	450	ug/kg	
100-41-4	Ethylbenzene	30400	2300	450	ug/kg	
591-78-6	2-Hexanone	ND	11000	2300	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	11000	2900	ug/kg	
74-83-9	Methyl bromide	ND	2300	1000	ug/kg	
74-87-3	Methyl chloride	ND	2300	1100	ug/kg	
75-09-2	Methylene chloride	ND	4500	2300	ug/kg	
78-93-3	Methyl ethyl ketone	ND	11000	3800	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2300	680	ug/kg	
100-42-5	Styrene	ND	2300	450	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2300	500	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2300	820	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2300	450	ug/kg	
127-18-4	Tetrachloroethylene	ND	2300	540	ug/kg	
108-88-3	Toluene	ND	2300	450	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

2.8  
**2**

<b>Client Sample ID:</b> TEST PIT 11 10'	<b>Date Sampled:</b> 06/11/08
<b>Lab Sample ID:</b> F58145-8	<b>Date Received:</b> 06/12/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 77.4
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	2300	540	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2300	910	ug/kg	
75-01-4	Vinyl chloride	ND	2300	910	ug/kg	
1330-20-7	Xylene (total)	94300	6800	1300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	116%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> TEST PIT 11 15'	<b>Date Sampled:</b> 06/11/08
<b>Lab Sample ID:</b> F58145-9	<b>Date Received:</b> 06/12/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 77.7
<b>Project:</b> West Point Home: Clemson, SC	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Fractional Organic Carbon	7.4		%	1	06/17/08 11:46	LE	ASTM D2974-87
Solids, Percent	77.7		%	1	06/14/08	LR	SM19 2540B M

RL = Reporting Limit



## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Certification Exceptions
- Chain of Custody



**ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION**

ACCUTEST'S JOB NUMBER: F58145 CLIENT: Phillips ENV. PROJECT: West Point Homes  
 DATE/TIME RECEIVED: 06-12-08 1030 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3-0  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER  
 AIRBILL NUMBERS: 7900 3266 7455

**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET
- WET ICE RECEIVED IN COOLER

**TRIP BLANK INFORMATION**

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 0  
 NUMBER OF 5035 FIELD KITS ? 2  
 NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SAMPLE INFORMATION**

- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- CORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- TIMES ON COC DOES NOT MATCH LABEL(S)
- ID'S ON COC DOES NOT MATCH LABEL(S)
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING INSTRUCTIONS
- UNCLEAR COMPOSITING INSTRUCTIONS //
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- % SOLIDS JAR NOT RECEIVED
- 5035 FIELD KIT NOT FROZEN WITHIN 48 HOURS
- RESIDUAL CHLORINE PRESENT  
 ( APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TECHNICIAN SIGNATURE/DATE F.M. 06-12-08 TECHNICIAN SIGNATURE/DATE JE 6-18-08 ASBD 12/17/07

\* 2 Du

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3



**Job Change Order: F58145\_6/13/2008**

<b>Requested Date:</b>	6/13/2008	<b>Received Date:</b>	6/12/2008
<b>Account Name:</b>	Philip Environmental Services Corp.	<b>Due Date:</b>	6/26/2008
<b>Project Description:</b>	West Point Home: Clemson, SC	<b>Deliverable:</b>	COMMB
<b>CSR:</b>	SB	<b>TAT (Days):</b>	7

**Sample #:** F58145-2,3,4,5,6,7      **Change:** Per Dale M @ PSC via phone 06.13.08 run these on a 1 week TAT due 06.19.08.

**Sample #:** F58145-9      **Change:** Per Dale M @ PSC via phone 06.13.08 run FOC on this sample

TEST PIT 11 15'

**Above Changes**      Dale M @ PSC via phone 06.13.08      **Date:** 6/13/2008

**F58145: Chain of Custody**  
**Page 3 of 5**

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

**Job Change Order:** F58145\_6/16/2008

<b>Requested Date:</b>	6/16/2008	<b>Received Date:</b>	6/12/2008
<b>Account Name:</b>	Philip Environmental Services Corp.	<b>Due Date:</b>	6/26/2008
<b>Project Description:</b>	West Point Home: Clemson, SC	<b>Deliverable:</b>	COMMB
<b>CSR:</b>	SB	<b>TAT (Days):</b>	7

**Sample #:** F58145-1      **Change:** please log in as due on the 19th with the rest of the samples per Jim Bowen

TEST PIT 9 19'

**Sample #:** F58145-9      **Change:** please log in as due on the 19th with the rest of the samples per Jim Bowen

TEST PIT 11 15'

**Above Changes**      Jim Bowen

**Date:** 6/16/2008

**F58145: Chain of Custody**

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

**Page 4 of 5**



3.1  
3

**Job Change Order: F58145\_6/23/2008**

<b>Requested Date:</b>	6/23/2008	<b>Received Date:</b>	6/12/2008
<b>Account Name:</b>	Philip Environmental Services Corp.	<b>Due Date:</b>	6/19/2008
<b>Project Description:</b>	West Point Home: Clemson, SC	<b>Deliverable:</b>	COMMB
<b>CSR:</b>	SB	<b>TAT (Days):</b>	14

**Sample #:** F58145-9      **Change:** Per Dale M @ PSC via e-mail 06.23.08 for TOD, do not run COD- do not log in anything for this test TOD.

TEST PIT 11 15'

**Above Changes**      Dale M @ PSC via e-mail 06.23.08      **Date:** 6/23/2008

**F58145: Chain of Custody**  
**Page 5 of 5**

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1



**ROGERS & CALLCOTT  
LABORATORY SERVICES**

**AN EMPLOYEE-OWNED COMPANY**







P.O. Box 5655, Greenville, SC 29606  
Phone: (864) 232-1556 - FAX: (864) 232-6140

**Laboratory Services Report**

**Client:** PSC  
Attention: Dale Markley  
210 West Sand Bank Road  
Columbia Illinois 62236

**Date Received:** 06/09/2008  
**Time Received:** 14:45  
**Date Reported:** 06/12/2008

*South Carolina Laboratory Identification 23105  
North Carolina Laboratory Certificate Number 27  
NELAP Laboratory Identification E87822*

	<i>Sample Number</i>	<i>Sample Description</i>
	AC35636	PSC WS-1 18 feet grab, collected on 06/09/2008 at 11:55
	AC35637	PSC WS-2 18 feet grab, collected on 06/09/2008 at 12:05
	AC35638	PSC SS-1 15 feet grab, collected on 06/09/2008 at 12:25
	AC35639	PSC NS-1 18 feet grab, collected on 06/09/2008 at 12:35
	AC35640	PSC ES-2 18 feet grab, collected on 06/09/2008 at 13:07
	AC35641	PSC ES-1 18 feet grab, collected on 06/09/2008 at 13:17

*The attached report is for the samples that were received and are referenced above. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements of the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty available upon request.*

*We appreciate the opportunity to be of service to you. Please contact us at (864) 232-1556 should you have any questions about this report.*

**Results released by:** *Amy Z. Asneuy*  
authorized signature

**Results reviewed by:** *JFC*

**Carbon copy: John Foster of Rogers and Callcott**

*This report may not be reproduced, except in full, without written permission from Rogers & Callcott, Inc.*

Sample NumberSample Description, Date and Time Collected

C35636

PSC WS-1 18 feet grab, collected on 06/09/2008 at 11:55

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
24 to 48 hr turn around	Completed				06/09/2008 00:00		
Encore sampling set	Completed				06/09/2008 00:00		
Percent Solids for VOA time of analysis	87	percent		0.10	06/09/2008 17:00	RJM	
<b>Volatile Organic Compd-dry weight</b>							
Benzene	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Ethylbenzene	280000	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Styrene	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Toluene	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
m/p-Xylene	840000	ug/kg		210000	06/10/2008 01:50	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

C35636

PSC WS-1 18 feet grab, collected on 06/09/2008 at 11:55

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
<b>Volatile Organic Cmpd-dry weight</b>							
m-Xylene	130000	ug/kg		100000	06/10/2008 01:50	RJM	EPA 8260B
<b>Volatile Organic Cmpd-wet weight</b>							
Benzene	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Ethylbenzene	240000	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Styrene	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Toluene	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
m/p-Xylene	730000	ug/kg		180000	06/10/2008 01:50	RJM	EPA 8260B
o-Xylene	110000	ug/kg		89000	06/10/2008 01:50	RJM	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	D	%		0	06/10/2008 01:50	RJM	EPA 8260B

<u>Sample Number</u>	<u>Sample Description, Date and Time Collected</u>						
C35636	PSC WS-1 18 feet grab, collected on 06/09/2008 at 11:55						
<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
Volatile Organic Cmpd-wet weight (toluene-D8 (surrogate))	D	%		0	06/10/2008 01:50	RJM	EPA 8260B
4-Bromofluorobenzene (surrogate)	D	%		0	06/10/2008 01:50	RJM	EPA 8260B
Analysis comment for Volatile Organic Cmpd-wet weight: D - Diluted Out							

<u>Sample Number</u>	<u>Sample Description, Date and Time Collected</u>						
C35637	PSC WS-2 18 feet grab, collected on 06/09/2008 at 12:05						
<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
24 to 48 hr turn around	Completed				06/09/2008 00:00		
Incubation sampling set	Completed				06/09/2008 00:00		
Percent Solids for VOA time of analysis	87	percent		0.10	06/09/2008 17:00	RJM	
<b>Volatile Organic Cmpd-dry weight</b>							
Benzene	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Ethylbenzene	300000	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Styrene	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

C35637

PSC WS-2 18 feet grab, collected on 06/09/2008 at 12:05

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
<b>Volatile Organic Cmpd-dry weight</b>							
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Toluene	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
m/p-Xylene	920000	ug/kg		200000	06/10/2008 00:46	RJM	EPA 8260B
o-Xylene	160000	ug/kg		99000	06/10/2008 00:46	RJM	EPA 8260B
<b>Volatile Organic Cmpd-wet weight</b>							
Benzene	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Ethylbenzene	260000	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Styrene	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B

**Sample Number****Sample Description, Date and Time Collected**

AC35637

PSC WS-2 18 feet grab, collected on 06/09/2008 at 12:05

<b><u>Parameter</u></b>	<b><u>Result</u></b>	<b><u>Unit</u></b>	<b><u>Flag</u></b>	<b><u>RDL</u></b>	<b><u>Date/Time</u></b>	<b><u>Analyst</u></b>	<b><u>Method</u></b>
<b><u>Volatile Organic Cmpd-wet weight</u></b>							
Toluene	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
m/p-Xylene	800000	ug/kg		170000	06/10/2008 00:46	RJM	EPA 8260B
o-Xylene	140000	ug/kg		86000	06/10/2008 00:46	RJM	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	D	%		0	06/10/2008 00:46	RJM	EPA 8260B
Toluene-D8 (surrogate)	D	%		0	06/10/2008 00:46	RJM	EPA 8260B
4-Bromofluorobenzene (surrogate)	D	%		0	06/10/2008 00:46	RJM	EPA 8260B

Analysis comment for Volatile Organic Cmpd-wet weight: D - Diluted Out

**Sample Number****Sample Description, Date and Time Collected**

AC35638

PSC SS-1 15 feet grab, collected on 06/09/2008 at 12:25

<b><u>Parameter</u></b>	<b><u>Result</u></b>	<b><u>Unit</u></b>	<b><u>Flag</u></b>	<b><u>RDL</u></b>	<b><u>Date/Time</u></b>	<b><u>Analyst</u></b>	<b><u>Method</u></b>
24 to 48 hr turn around	Completed				06/09/2008 00:00		
Encore sampling set	Completed				06/09/2008 00:00		
Percent Solids for VOA time of analysis	82	percent		0.10	06/09/2008 17:00	RJM	
<b><u>Volatile Organic Cmpd-dry weight</u></b>							
Benzene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B

**Sample Number****Sample Description, Date and Time Collected**

C35638

PSC SS-1 15 feet grab, collected on 06/09/2008 at 12:25

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
<b>olatile Organic Cmpd-dry weight</b>							
1,1-Dichloroethene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
rans-1,2-Dichloroethene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
rans-1,3-Dichloropropene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Ethylbenzene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Styrene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Toluene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
m/p-Xylene	< RDL	ug/kg		12000	06/10/2008 01:17	RJM	EPA 8260B
o-Xylene	< RDL	ug/kg		6100	06/10/2008 01:17	RJM	EPA 8260B
<b>olatile Organic Cmpd-wet weight</b>							
Benzene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B



**Sample Number**                      **Sample Description, Date and Time Collected**  
 C35638                                  PSC SS-1 15 feet grab, collected on 06/09/2008 at 12:25

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
<b>Volatile Organic Cmpd-wet weight</b>							
trans-1,2-Dichloroethene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
o-Tolylbenzene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,1,1-trichloroethylene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Styrene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
o-Toluene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
m/p-Xylene	< RDL	ug/kg		10000	06/10/2008 01:17	RJM	EPA 8260B
o-Xylene	< RDL	ug/kg		5000	06/10/2008 01:17	RJM	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	D	%		0	06/10/2008 01:17	RJM	EPA 8260B
Toluene-D8 (surrogate)	D	%		0	06/10/2008 01:17	RJM	EPA 8260B
o-Bromofluorobenzene (surrogate)	D	%		0	06/10/2008 01:17	RJM	EPA 8260B

Analysis comment for Volatile Organic Cmpd-wet weight: D - Diluted Out

**Sample Number**                      **Sample Description, Date and Time Collected**  
 C35639                                  PSC NS-1 18 feet grab, collected on 06/09/2008 at 12:35

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
4 to 48 hr turn around	Completed				06/09/2008 00:00		
Encore sampling set	Completed				06/09/2008 00:00		
Percent Solids for VOA time of analysis	80	percent		0.10	06/09/2008 17:00	RJM	
<b>Volatile Organic Cmpd-dry weight</b>							
Benzene	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B

Sample NumberSample Description, Date and Time Collected

C35639

PSC NS-1 18 feet grab, collected on 06/09/2008 at 12:35

<i>Parameter</i>	<i>Result</i>	<i>Unit</i>	<i>Flag</i>	<i>RDL</i>	<i>Date/Time</i>	<i>Analyst</i>	<i>Method</i>
<b>Volatile Organic Cmpd-dry weight</b>							
Chlorodibromomethane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Ethylbenzene	66000	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Styrene	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
1,1,1,2,2-Tetrachloroethane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Toluene	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
m/p-Xylene	190000	ug/kg		10000	06/10/2008 22:53	RJM	EPA 8260B
o-Xylene	34000	ug/kg		5100	06/10/2008 22:53	RJM	EPA 8260B
<b>Volatile Organic Cmpd-wet weight</b>							
Benzene	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B

<u>Sample Number</u>	<u>Sample Description, Date and Time Collected</u>						
C35639	PSC NS-1 18 feet grab, collected on 06/09/2008 at 12:35						
<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
<b>Volatile Organic Cmpd-wet weight</b>							
Chloroform	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Ethylbenzene	53000	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Styrene	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Toluene	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
m/p-Xylene	150000	ug/kg		8200	06/10/2008 22:53	RJM	EPA 8260B
o-Xylene	27000	ug/kg		4100	06/10/2008 22:53	RJM	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	97	%		0	06/10/2008 22:53	RJM	EPA 8260B
Toluene-D8 (surrogate)	89	%		0	06/10/2008 22:53	RJM	EPA 8260B
1-Bromofluorobenzene (surrogate)	179	%	R1	0	06/10/2008 22:53	RJM	EPA 8260B

<u>Sample Number</u>	<u>Sample Description, Date and Time Collected</u>						
AC35640	PSC ES-2 18 feet grab, collected on 06/09/2008 at 13:07						
<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>RDL</u>	<u>Date/Time</u>	<u>Analyst</u>	<u>Method</u>
24 to 48 hr turn around	Completed				06/09/2008 00:00		
Encore sampling set	Completed				06/09/2008 00:00		
Percent Solids for VOA time of analysis	79	percent		0.10	06/09/2008 17:00	RJM	
<b>Volatile Organic Cmpd-dry weight</b>							

**Sample Number****Sample Description, Date and Time Collected**

C35640

PSC ES-2 18 feet grab, collected on 06/09/2008 at 13:07

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
<b>Volatile Organic Cmpd-dry weight</b>							
Benzene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Ethylbenzene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Styrene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
1,1,1,2,2-Tetrachloroethane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Toluene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
m/p-Xylene	< RDL	ug/kg		12000	06/10/2008 23:24	RJM	EPA 8260B
o-Xylene	< RDL	ug/kg		5900	06/10/2008 23:24	RJM	EPA 8260B
<b>Volatile Organic Cmpd-wet weight</b>							
Benzene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B

**Sample Number****Sample Description, Date and Time Collected**

C35640

PSC ES-2 18 feet grab, collected on 06/09/2008 at 13:07

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
<b>Volatile Organic Compd-wet weight</b>							
Bromodichloromethane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Ethylbenzene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Styrene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Toluene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
m/p-Xylene	< RDL	ug/kg		9400	06/10/2008 23:24	RJM	EPA 8260B
o-Xylene	< RDL	ug/kg		4700	06/10/2008 23:24	RJM	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	116	%		0	06/10/2008 23:24	RJM	EPA 8260B
Toluene-D8 (surrogate)	108	%		0	06/10/2008 23:24	RJM	EPA 8260B
4-Bromofluorobenzene (surrogate)	126	%		0	06/10/2008 23:24	RJM	EPA 8260B

**Sample Number****Sample Description, Date and Time Collected**

035641

PSC ES-1 18 feet grab, collected on 06/09/2008 at 13:17

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
4 to 48 hr turn around	Completed				06/09/2008 00:00		
Core sampling set	Completed				06/09/2008 00:00		
Percent Solids for VOA time of analysis	79	percent		0.10	06/09/2008 17:00	RJM	
<b>Volatile Organic Compd-dry weight</b>							
Benzene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
o-Tolylbenzene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Styrene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Toluene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
m/p-Xylene	< RDL	ug/kg		13000	06/10/2008 00:16	RJM	EPA 8260B

**Sample Number****Sample Description, Date and Time Collected**

035641

PSC ES-1 18 feet grab, collected on 06/09/2008 at 13:17

<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RDL</b>	<b>Date/Time</b>	<b>Analyst</b>	<b>Method</b>
Volatile Organic Cmpd-dry weight							
m-Xylene	< RDL	ug/kg		6300	06/10/2008 00:16	RJM	EPA 8260B
Volatile Organic Cmpd-wet weight							
Benzene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Bromochloromethane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Bromodichloromethane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Bromoform	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Bromomethane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Carbon disulfide	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Carbon tetrachloride	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Chlorobenzene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Chlorodibromomethane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Chloroethane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Chloroform	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Chloromethane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Dibromomethane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
1,2-Dichlorobenzene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
1,3-Dichlorobenzene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
1,4-Dichlorobenzene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
1,1-Dichloroethane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
1,2-Dichloroethane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
1,1-Dichloroethene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
cis-1,2-Dichloroethene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
trans-1,2-Dichloroethene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
1,2-Dichloropropane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
cis-1,3-Dichloropropene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
trans-1,3-Dichloropropene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Ethylbenzene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Methylene chloride	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Styrene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
1,1,1,2-Tetrachloroethane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
1,1,2,2-Tetrachloroethane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Tetrachloroethene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Toluene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
1,1,1-Trichloroethane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
1,1,2-Trichloroethane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Trichloroethene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Trichlorofluoromethane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
1,2,3-Trichloropropane	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
Vinyl chloride	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
m/p-Xylene	< RDL	ug/kg		10000	06/10/2008 00:16	RJM	EPA 8260B
o-Xylene	< RDL	ug/kg		5000	06/10/2008 00:16	RJM	EPA 8260B
1,2-Dichloroethane-D4 (surrogate)	D	%		0	06/10/2008 00:16	RJM	EPA 8260B

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**Sample Number****Sample Description, Date and Time Collected**

035641

PSC ES-1 18 feet grab, collected on 06/09/2008 at 13:17

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<b><i>Parameter</i></b>	<b><i>Result</i></b>	<b><i>Unit</i></b>	<b><i>Flag</i></b>	<b><i>RDL</i></b>	<b><i>Date/Time</i></b>	<b><i>Analyst</i></b>	<b><i>Method</i></b>
<b>olatile Organic Cmpd-wet weight</b>							
oluene-D8 (surrogate)	D	%		0	06/10/2008 00:16	RJM	EPA 8260B
4-Bromofluorobenzene (surrogate)	D	%		0	06/10/2008 00:16	RJM	EPA 8260B

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Analysis comment for Volatile Organic Cmpd-wet weight: D - Diluted Out





**INGERSOLL**  
**LABORATORY SERVICES**  
 P.O. Box 5655, Greenville, SC 29606  
 Phone (864) 232-1556 Fax (864) 232-6140  
 Shipping Address: 718 Lowndes Hill Road  
 Greenville, SC 29607

W.A. JF WSTW. REVRRL

ANGE — Or —

Client Name PSC  
 Address WPH, Inc  
Clemson, SC  
 Report To: John Foster / Dale Markley (PS)  
 Telephone No. \_\_\_\_\_ FAX No. \_\_\_\_\_  
 PO No. \_\_\_\_\_ Project No. 07-098

Rogers & Callcott Lab No.	Yr. Date	Time	Sample Description
AC 35636	6-9	1155	WS-1 18'
35637		1205	WS-2 18'
35638		1225	SS-1 15'
35639		1235	NS-1 18'
35640		1307	ES-2 18'
35641		1317	ES-1 18'

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① <i>[Signature]</i>	6-9-08 1445	② <i>[Signature]</i>	6/9/08 1445
③		④	
⑤		⑥	

PARAMETERS	Total Number of Containers	Filtered (Yes/No)	Cooled (Yes/No)	Container Type (E/G)	Container Volume	Sample Type (Grab/Composite)	Sample Source (WW, GW, DW, Other)	Sample Source Chlorinated (Yes/No)	Lab Receipt Cl, Check	Lab Receipt pH Check	Preserved (Code)	COMMENTS:
NOA	6	N	Y	G	40 liter	G	Soil	N			A-None B-HNO <sub>3</sub> C-H <sub>2</sub> SO <sub>4</sub>	
Fall 8260B	5	Y	Y	G							D-NaOH E-HCL F-NO <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	24 hour Buss
5	5										G-Boric Acid H-Ascorbic Acid I- <del>Ascorbic Acid</del>	Need results by Noon if possible
4	5											3 or 4 vials preserved with NaHSO <sub>4</sub> and preserved with MeOH
4	5											
4	5											
4	5											

**KNOWN HAZARDS ASSOCIATED WITH SAMPLES**

Temperature of blank or representative sample \_\_\_\_\_ °C  
 At time of collection \_\_\_\_\_ °C  
 At time of lab receipt 1.2 °C



**WAUGLER & ALLEN, LLC**  
**LABORATORY SERVICES**

P.O. Box 5655, Greenville, SC 29606  
 Phone (864) 232-1556 Fax (864) 232-6140  
 Shipping Address: 718 Lowndes Hill Road  
 Greenville, SC 29607

Client Name PSC  
 Address WPH, Inc  
Clemson, SC  
 Report To: John Foster / Date Mtnly (PSC)  
 Telephone No. \_\_\_\_\_ FAX No. \_\_\_\_\_  
 PO No. \_\_\_\_\_ Project No. 07-048

Rogers & Callcott Lab No.	Yr. Date	Time	Sample Description
35636	6-9	1155	WS-1 18'
35637		1205	WS-2 18'
35638		1225	SS-1 15'
35639		1235	NS-1 18'
35640		1307	ES-2 18'
35641		1317	ES-1 18'

SAMPLER	Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Shipper Name & #
①	<i>[Signature]</i>	6-20-08 1415	<i>[Signature]</i>	②
③				④
⑤				⑥

Seal # \_\_\_\_\_ at'chd by \_\_\_\_\_ Recvd. Intact by \_\_\_\_\_ Seal # \_\_\_\_\_ at'chd by \_\_\_\_\_  
 Form Revised July 1999

PARAMETERS	Total Number of Containers	Filtering	Filtered (Yes/No)	Cooled (Yes/No)	Container Type (P/G)	Container Volume	Sample Type (Grab/Composite)	Sample Source (WW, GW, DW, Other)	Sample Source Chlorinated (Yes/No)	Lab Receipt Cl, Check	Lab Receipt pH Check	Preserved (Code)	COMMENTS:
VOA	5	Y	Y	Y	G	40 Ltr	G	Soil	N	N	N	A-None B-HNO <sub>3</sub> C-H <sub>2</sub> SO <sub>4</sub>	
F118260B	6	Y	Y	Y	G	40 Ltr	G	Soil	N	N	N	D-NaOH E-HCL F-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> G-Boric Acid H-Ascorbic Acid I-SA	24 hour flush Need results by Noon if possible 3 or 4 vials preserved with NaHSO <sub>4</sub> and preserved with NaOH

KNOWN HAZARDS ASSOCIATED WITH SAMPLES	Temperature of blank or representative sample
	At time of collection _____ °C
	At time of lab receipt _____ °C



**RECEIVED**

JUN 27 2008

**Water Monitoring, Assessment &  
Protection Division**

June 24, 2008  
Project No. 62403033

Mr. Tom Richmond  
Enforcement Section  
South Carolina Department of Health and Environmental Control  
2600 Bull Street  
Columbia, South Carolina 29201

**RECEIVED**

JUN 25 2008

**RE: WestPoint Home – former Clemson Plant  
Site ID # 00895, Consent Agreement #06-163-W  
Well Sampling Results Completed in April-June 2008**

WATER POLLUTION CONTROL  
DIVISION

Dear Mr. Richmond:

PSC Industrial Outsourcing, LP (PSC) formerly known as Philip Environmental Services Corporation, is transmitting the April-June 2008 groundwater sampling data for the Clemson Plant on behalf of WestPoint Home (WPH). Please transmit this information to Mr. Mike Rivers of the Bureau of Water.

Currently PSC is conducting investigations and/or remediation of these four areas of concern at the site, as shown on the Overview Figure:

1. The former Varsol tank area petroleum plume (consisting of elevated concentrations of ethylbenzene and xylene) along the southeast part of the main building;
2. The down gradient PCE plume migrating to the southeast towards Lake Hartwell;
3. The former leaking underground storage tank (LUST) area plume (consisting of elevated concentrations of mainly tetrachloroethylene (PCE) near the southwest corner of the main building; and
4. The former Landfill No. 2 area plume of nitrate (south of the main building) at two locations.

During this period, PSC completed recurring sampling activities and additional sampling requirements requested by the DHEC Groundwater Quality Section in a letter dated March 14, 2008, or otherwise as covered herein. The following tasks were completed and the field data, laboratory data, and evaluations are presented in this transmittal:

- Per DHEC request, resampling of four former Varsol tank area interior plume monitoring wells (UG-1, UG-2, UGB-1, and MW-14) and one boundary well (UG-6) for VOCs to evaluate current contaminant concentrations and assess plume migration;
- Resampling of eight down-gradient PCE plume remediation area wells for VOCs and indicator compounds to evaluate the affect of injecting HRC-A (now known as 3-D Microemulsion or 3DMe™) on VOC concentrations. The indicator compounds

sampled included metals analysis for iron and general chemistry to include total organic carbon and sulfate;

- Resampling of four upgradient PCE plume wells (MW-1, MW-2, MW-4, and MW-5) for VOCs to evaluate more current PCE and petroleum conditions in this area;
- Per DHEC request, resampling of two former LUST area plume interior wells (LUST-1 and LUST-4) for VOCs to evaluate current contaminants; and
- Resampling of seven former Landfill No. 2 area monitoring wells for Total Kjeldahl Nitrogen, nitrites, and nitrates to evaluate current contaminant concentrations and plume migration.

Area of Site	Wells Sampled	New Wells Installed
Former Varsol AST Area	5	0
PCE Plume Area - Down Gradient	8	0
PCE Plume Area – Up Gradient	4	0
Former LUST Area	2	0
Landfill No. 2 Area	7	0
<b>Totals</b>	<b>26</b>	<b>0</b>

The following interpretations are provided for the data collected during this period.

### Groundwater Flow Directions in Saprolite Unit

Water levels were collected at all wells sampled in the saprolite surficial aquifer and a large number of other site wells on April 8-10, 2008 with results tabulated on Table 1. Water level contours for the down-gradient PCE plume, LUST, and landfill areas are approximated on Figures 3, 5 and 7 respectively.

Since the previous sampling event in January 2008, there were continued variations in water levels as noted in Table 4 and the graphs included in this report. In general, the water table raised across the board an average of approximately 2 feet. The surface water level in Lake Hartwell was also significantly higher (4.3 feet) in April 2008 as compared to January 2008 levels based on average monthly data maintained by the US Army Corps of Engineers.

Groundwater flow in the down-gradient PCE plume area is generally to the southeast towards Lake Hartwell. The horizontal gradient and flow direction is similar to previously measured results.

### Varsol Tank Petroleum Plume

Per the DHEC request, four former Varsol tank area monitoring wells (UG-1, UG-2, UGB-1, and MW-14) and one boundary well (UG-6) were sampled and analyzed for VOCs to assess current contaminant concentrations and plume migration. In addition, wells MW-2 and MW-5 down gradient east of June 2008 petroleum soil remediation activities were sampled in June 2008. Table 3 lists the results for wells sampled in April-June 2008. The approximate extent of VOC concentrations for all sampling events is shown on Figure 2.

Compared to the prior sampling event(s), concentrations of ethylbenzene and xylene were down significantly at UG-1, UG-2, and UGB-1 with a moderate increase of ethylbenzene at MW-14. MW-2 and MW-5 concentrations were below reporting limits.

### Down Gradient PCE Plume

VOC results for the eight select wells sampled during the current event are shown in Table 3. The historical and current event PCE concentrations are shown on Figure 4 for the downgradient PCE plume.

There were five areas of injection of the bioremediation compound HRC-A (3DMe) in June/July 2007. For the three sampling events since the remediation injections, the results appear to have a see-saw effect. As seen in the data for monitoring wells MG-3, MW-10 A/S, DG-2, and DG-4, concentrations of PCE initially dropped off only to spring back to an elevated level, and now appear to be on the decline again. Well MG-4 had been steadily decreasing, but now is on the rise, while well MW-10 A/D has been steadily increasing since the HRC-A (3DMe) application.

For the two bedrock wells, the previous PCE result was  $< 5 \mu\text{g/L}$  from samples collected in May 2007. Bedrock well BR-1 was resampled and the results were similar (barely detecting PCE at  $1.1 \mu\text{g/L}$ ). However, BR-2 located more down-gradient, detected  $74.9 \mu\text{g/L}$  of PCE during the January 2008 sampling event. PSC resampled the BR-2 well during this event and received higher results of  $90.5 \mu\text{g/L}$  on the primary sample and  $104 \mu\text{g/L}$  on a blind duplicate sample to confirm the January 2008 data.

PSC compared the water levels at the two nested well locations to evaluate the vertical hydraulic gradient. Data from the two nested wells (MW-10 A/S & MW-10 A/D and DG-3S & DG-3D) indicates downward flows from shallow to deep.

Table 3 and the field notes present indicator data for the downgradient plume. The data indicates that since the HRC-A (3DMe) injection in June 2007, some slight decrease at some wells in dissolved oxygen and redox conditions, and an increase in iron, total organic carbon (TOC), and methane indicates a gradual change to anaerobic conditions which improves the ability to decrease the PCE concentrations. The injected chemicals are still reacting to degrade the PCE and longer-term monitoring is needed. The rate of groundwater flow from injected areas to the wells may be longer than anticipated. Therefore the effect of the injections may take longer. The HRC-A (3DMe) chemical should remain reactive for several years. Additional bioremediation chemical injections and inoculation with key bacteria to speed up the reactions are being considered.

Per previous discussions with DHEC representatives, PSC compared field indicators to PCE concentrations to see if there was any type of correlation (Table 5). Based on the data, PCE does not correlate to conductivity, ORP, or any other well stability indicators. The ability to trace the PCE plume using conductivity as a tip-off indicator does not appear feasible.

Table 4 and the trend graphs for selected wells compare the historical water levels to the PCE concentrations. A consistent correlation between water-levels changes and PCE concentrations was not observed

### Up Gradient PCE Plume

VOC results for four wells (MW-1, MW-2, MW-4, and MW-5) tested in June 2008 are shown on Table 3. The PCE concentration in these wells remained above the MCL. The PCE concentration for MW-5 was similar to that in the prior event shown on Figure 4. However, PCE concentrations in MW-1, MW-2, and MW-4 decreased about a third to fourth of that for the prior events shown on Figure 4.

### LUST Area Plume

During the April 2008 sampling event, LUST-1 and LUST-4 were sampled to evaluate current contaminant of concern concentrations inside the plume. Both wells continue to display PCE concentrations exceeding the 5 µg/L MCL (Table 3). The approximate extent of PCE concentrations above 5 µg/L is shown on Figure 6.

### Landfill Area No. 2

The approximate extent of nitrate concentrations above 10 mg/L is shown on Figure 8 and listed on Table 2, and remains limited to a very small area of the Landfill No. 2.

### Closing

Please advise if any further information is needed by contacting me at (618) 281-1540.

Sincerely,

PSC

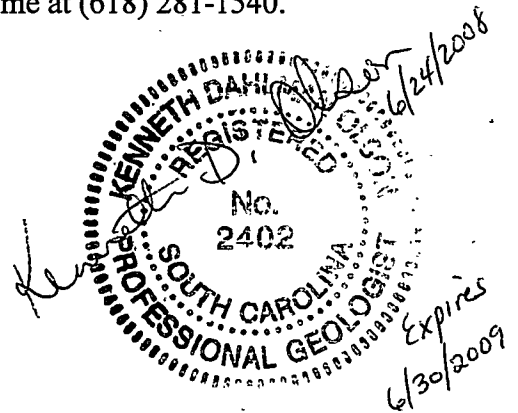
*Dale E. Markley*  
Dale E. Markley, Senior Hydrogeologist

*Kenneth D. Olson*  
Kenneth D. Olson, Registered Professional Geologist

Figures/Tables/Graphs

Attachments: 1. April-June 2008 Well Sampling Field Notes  
2. April-June 2008 Lab Results

CC: Eddie Lanier, WestPoint Home  
Bob Mussro, Goldie & Associates



## **Figures**

- 1. Overview Figure – Environmental Investigation/Remediation Areas**
- 2. Varsol Tank Area Historical BTEX Concentrations**
- 3. PCE and Petroleum Area Groundwater Elevation Map**
- 4. Down-Gradient PCE Plume Area Historical Concentrations**
- 5. Former UST Area Groundwater Elevation Map**
- 6. VOCs in Groundwater in the Former UST Area**
- 7. Landfill No. 2 Area Groundwater Elevation Map**
- 8. Nitrate Concentration Map for Landfill No. 2 Area**



LEGEND

- APPROXIMATE SITE BOUNDARY
- PCE PLUME AREA
- CURRENT AREAS OF CONCERN
- ① PETROLEUM PLUME
- ② FORMER LUST AREA
- ③ NITRATE PLUME AT FORMER LANDFILL NO. 2
- ④ DOWNGRADIENT PCE PLUME



SOURCE: www.Terraserver.microsoft.com aerial photo dated 2/25/94.



TITLE: ENVIRONMENTAL INVESTIGATION / REMEDIATION AREAS

DWN:	TMM	DES:	DEM	PROJECT NO:	624-03033
CHKD:		APPD:		WESTPOINT HOME, INC CLEMSON, SC	
DATE:	8/13/07	REV:	0	OVERVIEW FIGURE	



LEGEND

- MW-903 SOIL BORING
- ⊕ MW-901 TEMPORARY MONITORING WELL, NOV. 2005
- ⊗ MW-1 MONITORING WELL INSTALLED FEB. 2006
- ⊗ MW-5 MONITORING WELL INSTALLED MARCH 2006
- ▲ MG-1 MONITORING WELL / SOIL BOREHOLE
- UG-6 NEW MONITORING INSTALLED APRIL 2007
- ⊙ MG-7 MONITORING WELL INSTALLED JULY 2006

- E= ETHYLBENZENE
- X= TOTAL XYLENE
- T= TOLUENE
- B= BENZENE
- NS NOT SAMPLED

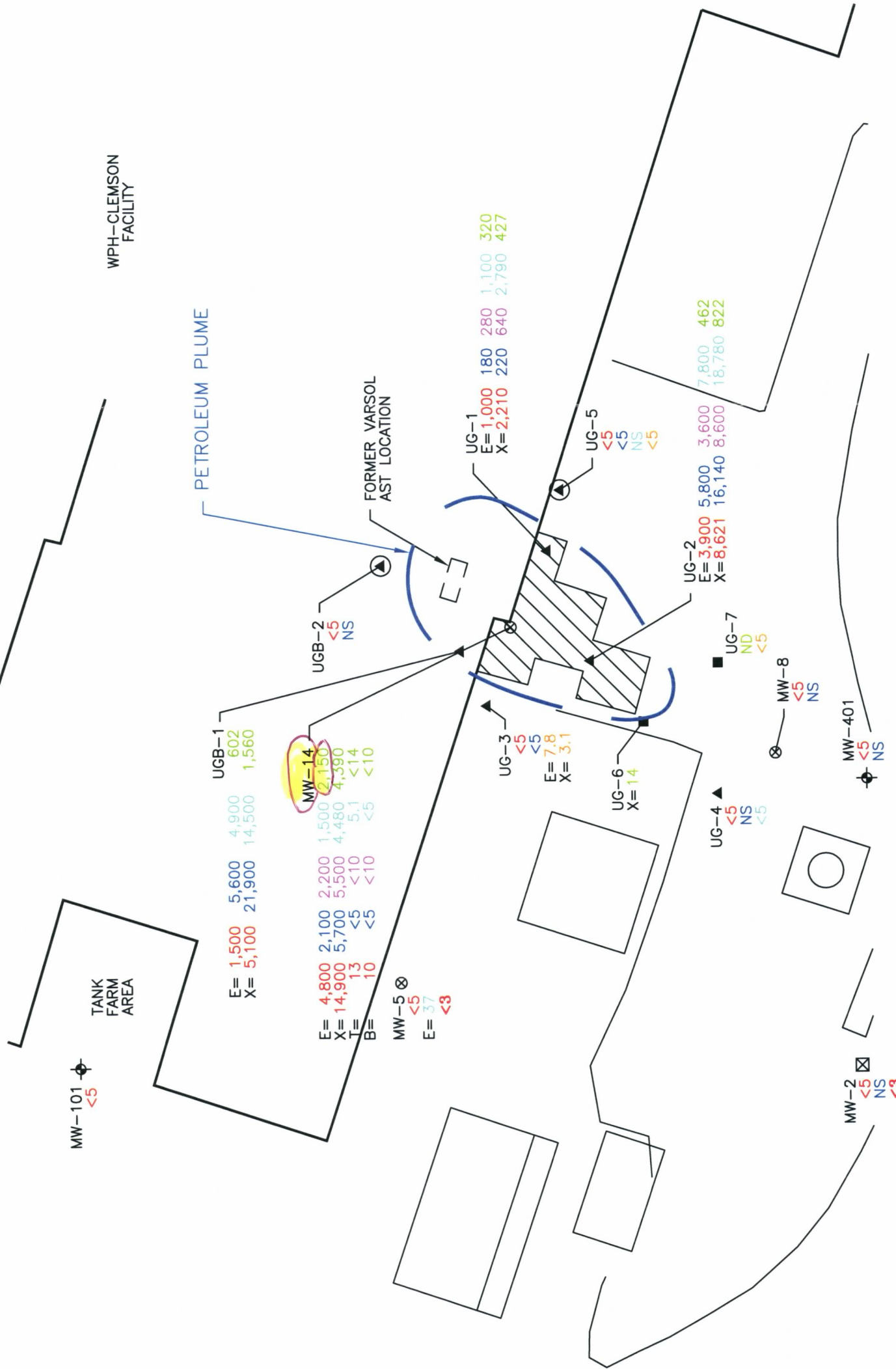
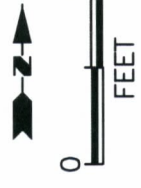
- 220 2006 RESULTS (VARIOUS DATES)
- 220 FEB 27 TO MARCH 1, 2007 RESULTS
- 220 APRIL 2007 RESULTS
- 220 JUNE 2007 RESULTS
- 220 SEPT 2007 RESULTS
- 220 JAN 2008 RESULTS - ONLY WELLS UG-3, 5 & 7
- 220 APRIL 2008 RESULTS - ONLY WELLS UG-1, 2, UGB-1 & MW-14
- 220 JUNE 2008 RESULTS - ONLY WELLS MW-2 & MW-5

UNITS ug/L



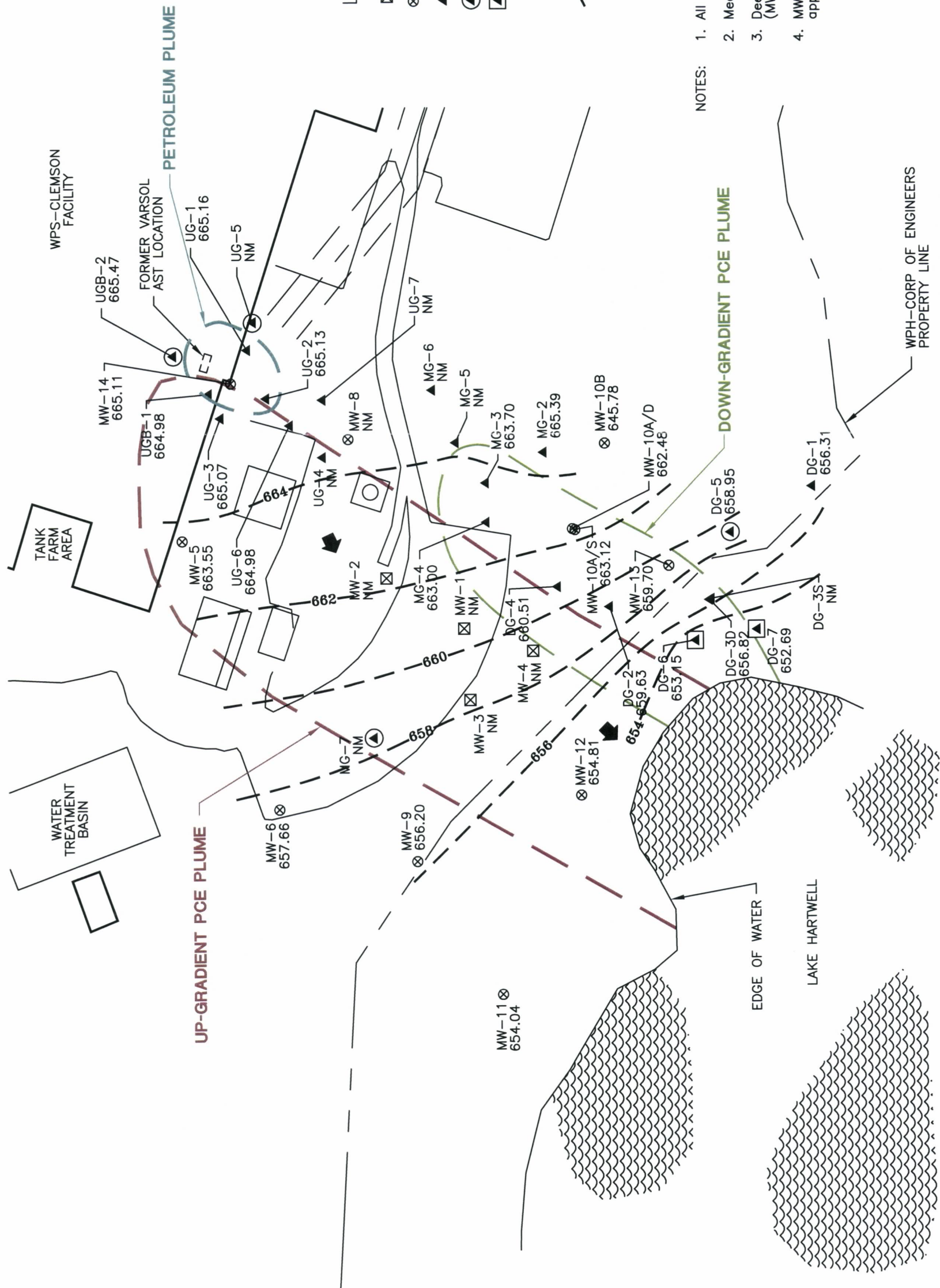
ORC-A GEOPROBE INJECTION AREA (APRIL 2007)

- NOTES:
1. June sample collected 6/26/07 at well UG-1, UG-2 and MW-14 after ORC-A injection in April 2007.
  2. See data tables for detected chlorinated VOC's.



TITLE:  
 VARSOL TANK AREA  
 HISTORICAL CONCENTRATIONS FOR BTEX  
 FEBRUARY 2007 TO JUNE 2008

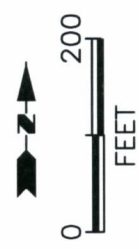
DWN:	TMM	DES:	DEM	PROJECT NO:	62403033
CHKD:		APPD:		WESTPOINT HOME, INC CLEMSON, SC	
DATE:	5/8/08	REV:	0	FIGURE 2	



**LEGEND**

- ☒ MW-1 MONITORING WELL INSTALLED FEB. 2006
- ⊗ MW-5 MONITORING WELL INSTALLED MARCH 2006
- ▲ MG-1 MONITORING WELL INSTALLED JUNE 2006
- ⊙ MG-7 MONITORING WELL INSTALLED JULY 2006
- ◻ DG-7 MONITORING WELL INSTALLED SEPTEMBER 2007
- 661.52 GROUNDWATER ELEVATION
- NM NOT MEASURED THIS EVENT
- 661- GROUNDWATER CONTOUR
- ➔ GROUNDWATER FLOW DIRECTION

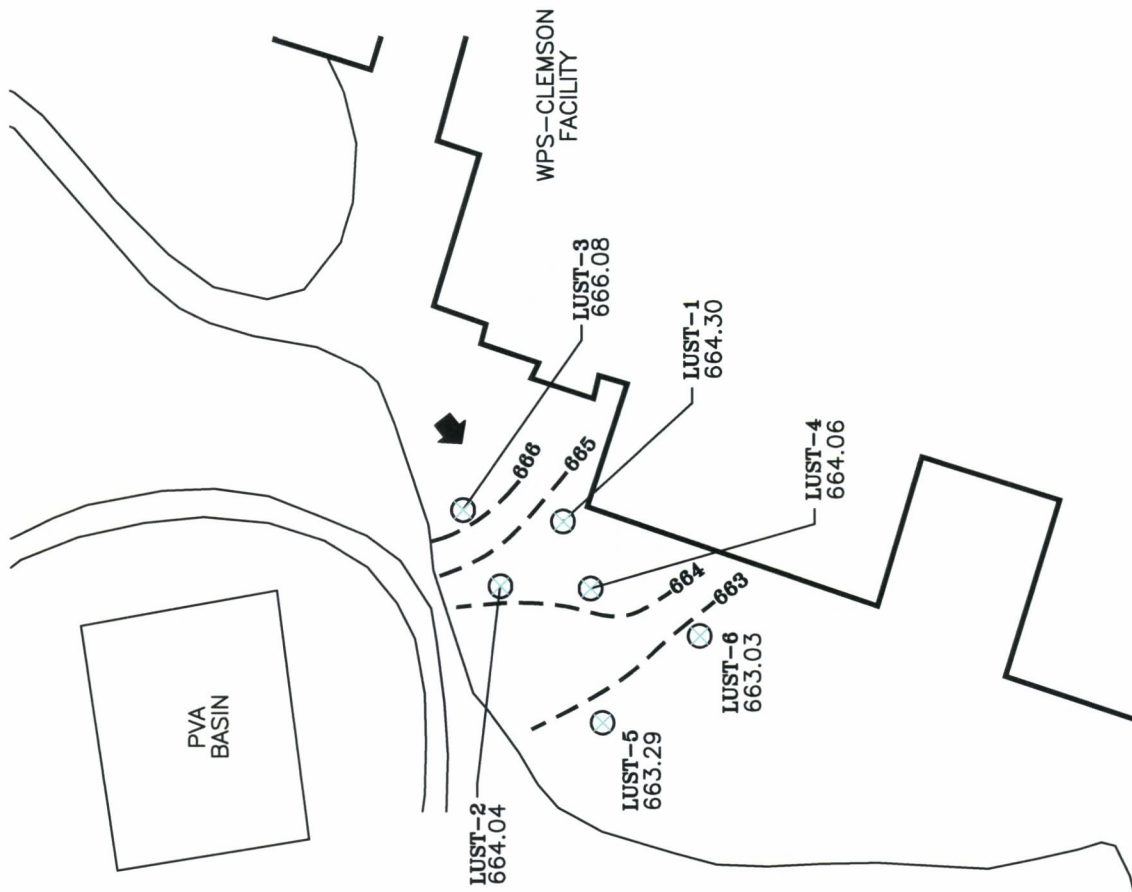
- NOTES:**
1. All measurements in units of feet.
  2. Mean Sea Level used for elevation datum.
  3. Deep well data not used for contouring (MW-10 and DG-3D).
  4. MW-10B not used to contour, appears anomalous.



TITLE:  
 PCE AND PETROLEUM AREA  
 GROUNDWATER ELEVATION MAP  
 APRIL 8-10, 2008

DWN:	TMM	DES:	DEM
CHKD:		APPD:	
DATE:	6/19/08	REV:	4
PROJECT NO: 62403033			WESTPOINT HOME, INC CLEMSON, SC
			FIGURE 3





**LEGEND**

- WELL LOCATION
- - - PROPERTY BOUNDARY
- ➔ GROUNDWATER FLOW DIRECTION



<p><b>PSC</b></p>	<p>TITLE: FORMER UST AREA GROUNDWATER ELEVATION MAP APRIL 9, 2008</p>		<p>PROJECT NO.: 62403248 WESTPOINT HOME, INC CLEMSON, SC</p>	
	<p>DWN: TMM</p>	<p>DES.: DDS</p>	<p>CHKD:</p>	<p>APPD:</p>
		<p>DATE: 6/12/08</p>	<p>REV.: 0</p>	<p>FIGURE 5</p>

LEGEND

- WELL LOCATION
- PROPERTY BOUNDARY
- ND VOCs NOT DETECTED
- NS NOT SAMPLED
- - - EXTENT OF PCE >5ug/L

NOTES: 1. Sampling results in black collected March 27 to 29, 2006.

2. Resampling results in red collected April 19, 2006.

3. Resampling results in blue collected Feb. 28 or March 1, 2007.

4. Sampling results in green collected April 25, 2007.

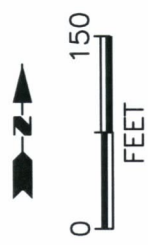
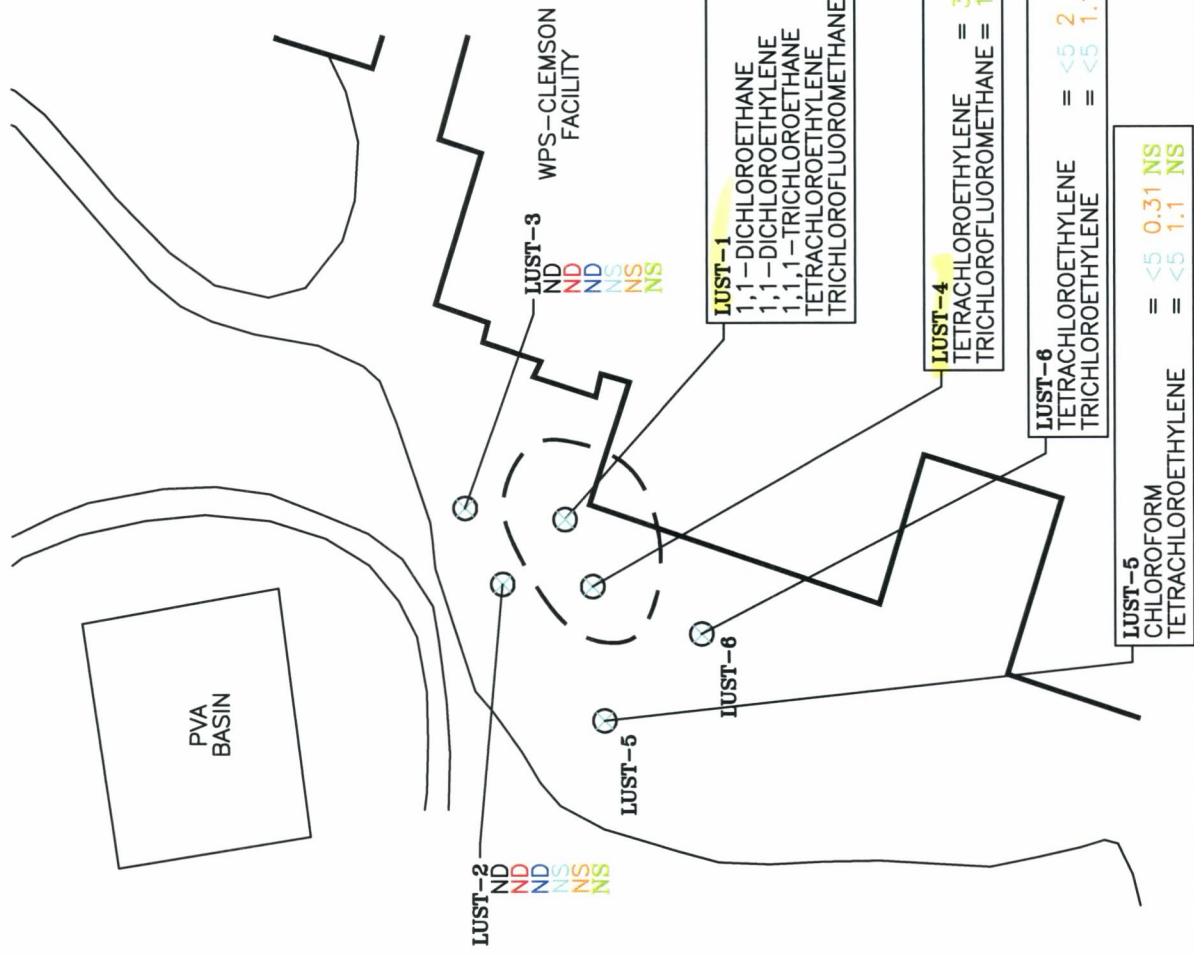
5. Sampling results in purple collected June 26, 2007.

6. Sampling results in cyan collected Sept. 26, 2007.

7. Sampling results in gold collected Jan. 15, 2008.

8. Sampling results in green collected April, 2008.

9. Units in ug/L.



	TITLE: VOCS IN GROUNDWATER IN THE FORMER UST AREA, APRIL 2006 - APRIL 2008			PROJECT NO.: 62403248 WESTPOINT HOME, INC CLEMSON, SC
	DWN: TMM CHKD:	DES: DEM APPD:	FIGURE 6	
DATE: 5/7/08		REV.: 1		



TITLE:  
LANDFILL No. 2 AREA  
GROUNDWATER ELEVATION MAP  
APRIL 10, 2008

DWN:	TMM	DES:	DEM
CHKD:		APPD:	
DATE:	5/15/08	REV:	1
PROJECT NO: 62403033			WESTPOINT HOME, INC CLEMSON, SC
			FIGURE 7



- LEGEND**
- LF2-2  
652.11  
MONITORING WELL LOCATION AND NUMBER WITH GROUNDWATER ELEVATION
  - NM NOT MEASURED THIS EVENT
  - 656- GROUNDWATER CONTOUR
  - ➔ GROUNDWATER FLOW DIRECTION



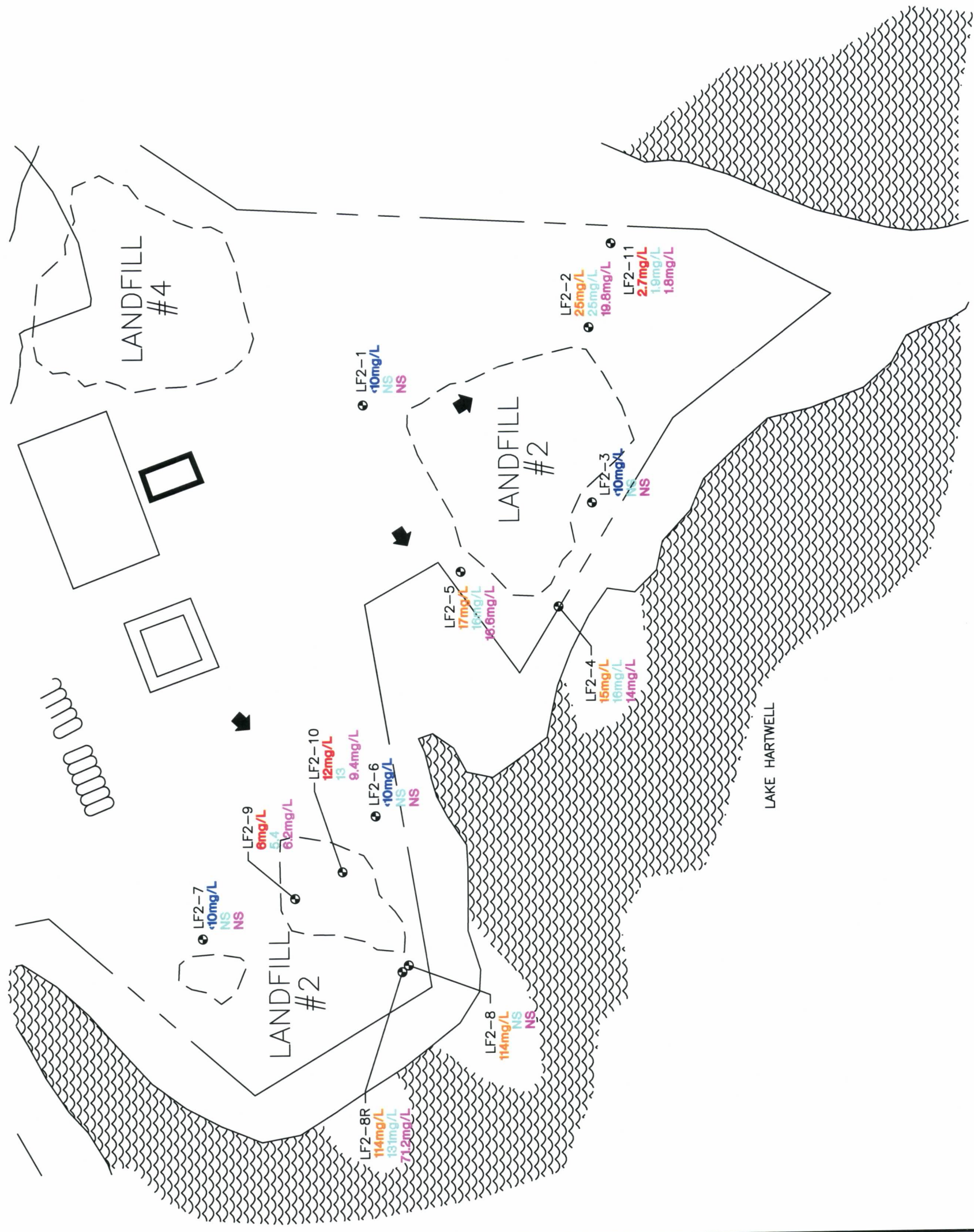


TITLE: NITRATE CONCENTRATION MAP FOR LANDFILL No. 2 AREA

DWN:	TMM	DES:	DEM	PROJECT NO:	624030333
CHKD:		APPD:		WESTPOINT HOME, INC CLEMSON, SC	
DATE:	5/15/08	REV:	1	FIGURE 8	

LEGEND

- LF2-9  
6mg/L
  - 6mg/L
  - 6mg/L
  - 6mg/L
  - 6mg/L
  - 10mg/L
  - ▲
  - NS
- MONITORING WELL LOCATION AND NUMBER WITH CONCENTRATION
- MARCH 27-28, 2007 NITRATE CONCENTRATION
- JUNE 26, 2007 NITRATE CONCENTRATION
- SEPT. 26, 2007 NITRATE CONCENTRATION
- APRIL 10, 2008 NITRATE CONCENTRATION
- HISTORICAL NITRATE CONCENTRATIONS WERE <10mg/L AT ALL OTHER WELLS
- GROUNDWATER FLOW DIRECTION
- NOT SAMPLED PER APPROVAL OF DHCC



## **Tables**

- 1. Groundwater Elevations – April 2008**
- 2. Results of Landfill Well Sampling**
- 3. Groundwater Detected Volatile Organic Compounds**
- 4. Change in Water Levels and PCE Concentrations from January to April 2008**
- 5. Comparison of PCE Levels with Field Indicators**



**Table 1**  
**Groundwater Elevations - April 8-10, 2008**  
**Clemson, South Carolina**  
**WPS Plant**

Well Number	Screen Interval	Well Diameter	Well Elevation <sup>(1)</sup>	Ground Elevation	Water Level Depth	Water Level Elevation
MW-5	10 - 20'	1"	680.10	680.35	16.55	663.55
MW-6	13 - 23'	1"	679.24	679.49	21.58	657.66
MW-9	10 - 20'	1"	670.22	670.60	14.02	656.20
MW-10A Shallow	10 - 20'	1"	671.30	671.57	8.18	663.12
MW-10A Deep	40 - 45'	1"	671.39	671.61	8.91	662.48
MW-10B	10 - 20'	1"	665.42	665.64	19.64	645.78
MW-11	5 - 15'	1"	665.83	666.10	11.79	654.04
MW-12	5 - 15'	1"	665.48	665.76	10.67	654.81
MW-13	10 - 20'	1"	670.70	671.00	11.00	659.70
MW-14	15 - 25'	1"	680.68	680.93	15.57	665.11
DG-1	10 - 20'	1"	666.19	NM	9.88	656.31
DG-2	10 - 20'	1"	673.61	NM	13.98	659.63
DG-3 -D	33.5-38.5'	1"	670.10	NM	13.28	656.82
DG-3 -S	10 - 20'	1"	670.25	NM	NM	NM
DG-4	5-20'	1"	675.66	NM	15.15	660.51
DG-5	5-15'	1"	668.80	NM	9.85	658.95
DG-6	10-20'	2"	667.86	NM	14.71	653.15
DG-7	33-38'	2"	665.22	NM	12.53	652.69
UGB-1	14 - 29'	2"	684.76	NM	19.78	664.98
UGB-2	20 - 30'	1"	684.65	NM	19.18	665.47
UG-1	10 - 20'	2"	680.38	NM	15.22	665.16
UG-2	10 - 25'	2"	679.03	NM	13.90	665.13
UG-3	10 - 25'	2"	680.97	NM	15.90	665.07
UG-6	15 - 25'	2"	678.33	678.17	13.35	664.98
MG-2	10 - 20'	1"	666.24	NM	0.85	665.39
MG-3	10 - 20'	1"	670.80	NM	7.10	663.70

Well Number	Screen Interval	Well Diameter	Well Elevation <sup>(1)</sup>	Ground Elevation	Water Level Depth	Water Level Elevation
MG-4	10 - 20'	1"	674.40	NM	11.40	663.00
LUST-1	8 - 18'	1"	680.61	680.71	16.31	664.30
LUST-2	10 - 20'	1"	678.12	678.44	14.08	664.04
LUST-3	10 - 20'	1"	681.00	681.22	14.92	666.08
LUST-4	10 - 20'	2"	678.77	678.57	14.71	664.06
LUST-5	10 - 20'	2"	675.33	675.87	12.04	663.29
LUST-6	10 - 20'	2"	677.14	677.63	14.11	663.03
LF2-2	22.86'	2"	674.80	NM	23.43	651.37
LF2-4	23.62'	2"	675.30	NM	23.19	652.11
LF2-5	24.1'	2"	677.60	NM	24.65	652.95
LF2-6	23.8'	2"	679.80	NM	27.36	652.44
LF2-7	23.3'	2"	677.70	NM	22.63	655.07
LF2-8R	25 - 35'	2"	680.90	678.03	28.98	651.92
LF2-9	12-27'	2"	678.22	675.29	24.03	654.19
LF2-10	12-27'	2"	677.46	674.80	24.32	653.14
LF2-11	7-22'	2"	670.34	667.73	18.40	651.94
BR-2	109-119'	3.8"	673.45	673.24	14.09	659.36

1- groundwater elevation calculated from top of well riser - MP is top of well riser

- All measurements in units of feet.
- Mean Sea Level used for elevation datum.
- NM = Not measured .

MG-1 was a temporary well set from 10 to 20 ft and removed after 24-hour sample results.

**PCE wells gauged Apr 8-10; LUST wells gauged Apr 9; Landfill wells gauged Apr 10, 2008**

Survey redone for landfill and new wells in June 2007

Only well total depth is known for some LF wells. Anticipated 10 ft screen.

BR=bedrock wells completed in rock open hole.

**Table 2**  
**Results of Landfill Well Sampling**  
**April 2008**  
**Clemson, South Carolina**  
**WPS Plant**

Parameter (mg/l)	MCL	LF2-2	LF2-4	LF2-5	LF2-8R	LF2-9	LF2-10	LF2-11
Total Kjeldahl Nitrogen (TKN)	NA	<0.26	<0.26	<0.26	<0.26	0.61	<0.26	<0.26
Nitrate as N	10	19.8	14	16.6	71.2	6.2	9.4	1.8
Nitrite as N	1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Total Nitrogen (TKN+Nitrate+Nitrite)	NA	19.8	14	16.6	71.2	6.8	9.4	1.8

**Table 3**  
**Groundwater Detected Volatile Organic Compounds**  
 April-June 2008  
 Clemson, South Carolina  
 WPS Plant

Parameter (µg/l)	MCL (µg/L)	Down-Gradient PCE Plume Wells (4/08)							Up-Gradient PCE Plume Wells (6/08)				
		BR-2	DG-2	DG-4	MG-3	MG-4	MW-10A-D	MW-10A-S	MW-13	MW-1	MW-2	MW-4	MW-5
Chloroform	NA	<0.21	<0.42	<1.1	<1.1	<2.1	<21	<4.2	<0.21	0.29	0.38	<1	15.9
1,1-Dichloroethane	NA	<0.25	<0.50	<1.3	1.3	<2.5	<25	<5.0	<0.25	<1	<1	<1	<1
1,1-Dichloroethylene	7	0.32 / ND <sup>1</sup>	3.8	<1.2	1.5	<2.3	<23	<4.6	3.4	<1	<1	<1	<1
cis-1,2-Dichloroethylene	70	<0.28	<0.56	<1.4	2.9	<2.8	<28	<5.6	0.78	<1	<1	0.36	<1
Ethylbenzene	700	<0.20	<0.40	<1.0	<1.0	<2.0	<20	<4.0	<0.20	<1	<1	<1	<1
1,1,1-Trichloroethane	200	<0.29	<0.58	<1.5	<1.5	<2.9	<29	<5.85	<0.29	<1	<1	<1	<1
Tetrachloroethylene	5	<b>90.5 / 104<sup>1</sup></b>	<b>1,360</b>	<b>346</b>	<b>366</b>	<b>797</b>	<b>4,640</b>	<b>974</b>	<b>31.8</b>	<b>52.6</b>	<b>121</b>	<b>60.4</b>	<b>104</b>
Toluene	1,000	<0.27	<0.54	<1.4	<1.4	<2.7	<27	<5.4	<0.27	<1	<1	<1	<1
Trichlorofluoromethane	NA	1.2 / ND <sup>1</sup>	<0.86	<2.2	<2.2	ND	<43	<8.6	<0.43	<2	<2	<2	<2
Xylene (total)	10,000	<0.56	<1.1	<2.8	<2.8	<5.6	<56	<11	<0.56	<3	<3	<3	<3

Parameter (µg/l)	MCL (µg/L)	Varsol Tank Area Wells (4/08)					LUST Area Wells (4/08)		
		MW-14	UG-1	UG-2	UG-6	UGB-1	LUST-1	LUST-4	
Chloroform	NA	<11	<1.1	<1.1	<0.21	<0.21	<0.21	0.21	
1,1-Dichloroethane	NA	<13	<1.3	<1.3	3.1	<2.5	27.0	2.6	
1,1-Dichloroethylene	7	<12	<1.2	<1.2	0.27	<2.3	7.9	3.0	
cis-1,2-Dichloroethylene	70	<14	<1.4	<1.4	40.6	5.9	<0.28	<0.28	
Ethylbenzene	700	<b>2,150</b>	320	462	<20	602	2.5	<0.20	
1,1,1-Trichloroethane	200	<15	<1.5	<1.5	<0.29	<2.9	16.2	2.5	
Tetrachloroethylene	5	<13	<1.3	<1.3	<b>28.9</b>	<b>185</b>	<b>28.1</b>	<b>59.9</b>	
Toluene	1,000	<14	<1.4	<1.4	<0.27	<2.7	<0.27	<0.27	
Trichlorofluoromethane	NA	<22	<2.2	<2.2	<0.43	<4.3	<0.43	3.2	
Xylene (total)	10,000	<28	427	<2.8	<0.56	1,560	<0.56	<0.56	

Note: See lab sheets for all analyzed VOCs - only parameters with historical concentration detections are noted.  
 Values in bold exceed MCL.  
 NA = No MCL exists.  
<sup>1</sup> = Duplicate sample result

**Table 4**  
**Change in Water Levels and PCE Concentrations from Jan 08 to Apr 08**  
**Clemson, South Carolina**  
**WPS Plant**

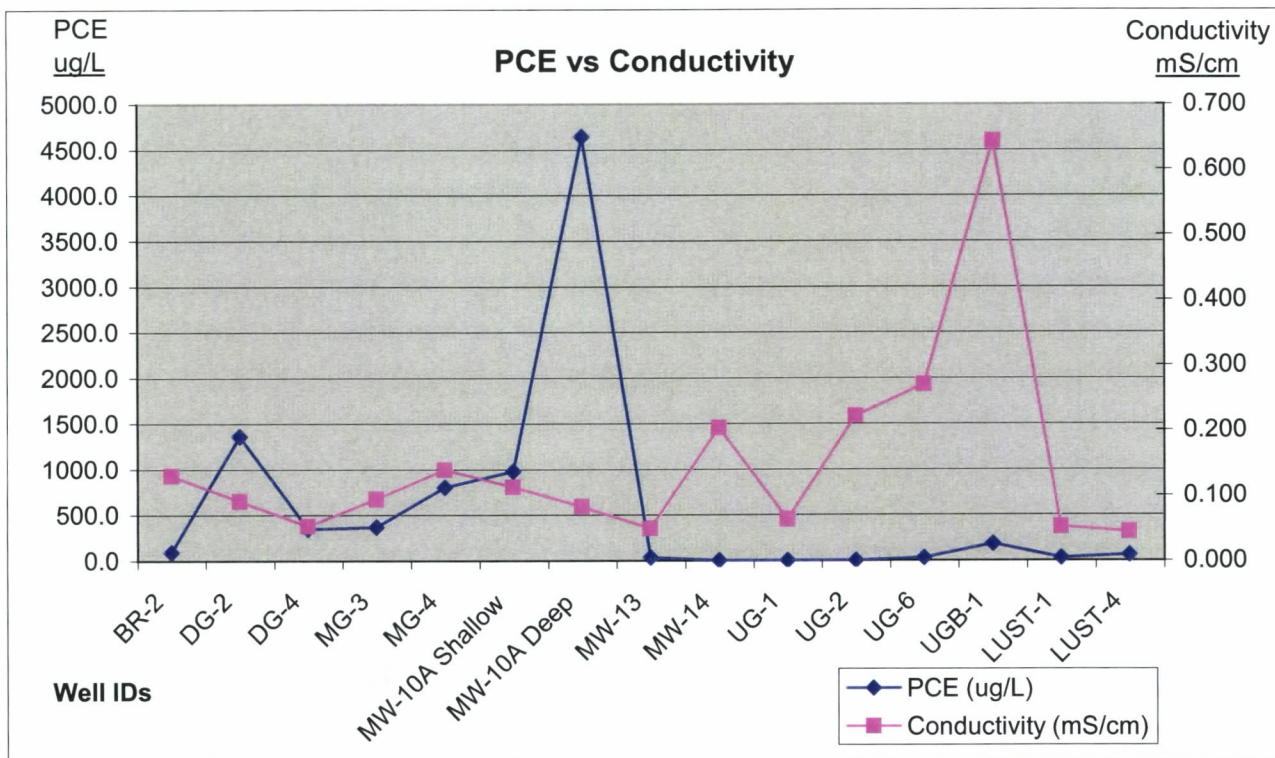
Well No.	Water Level Depth (feet)		Depth to Water Level Change	Relative Location	PCE Concentration (ug/L)		PCE Change Jan-Apr	PCE Conc. Change Direction (Jan-Apr)	Water-level Change Direction (Jan-Apr)
	Jan-08	Apr-08			Jan-08	Apr-08			
MG-3	8.8	7.1	1.7	Down Gradient Area	685	366	-319	decrease	up
MG-4	13.06	11.4	1.66	mid-gradient area	130	797	667	increase	up
MW-10A Shallow	10.26	8.18	2.08	mid-gradient area	3980	974	-3006	decrease	up
MW-10A Deep	10.76	8.91	1.85	mid-gradient area	3480	4640	1160	increase	up
DG-2	16.58	13.98	2.6	Down-gradient, near lake	1500	1360	-140	decrease	up
DG-4	17.5	15.15	2.35	Down-gradient, near lake	1250	346	-904	decrease	up
<b>Lust Area</b>									
LUST-5	13.12	12.04	1.08	upgradient area	1.1	1.1	NA	NA	up
LUST-6	14.72	14.11	0.61	upgradient area	2	2	NA	NA	up
<b>Near Building</b>									
UG-3	17.34	15.9	1.44	upgradient area	NA	NA	NA	NA	up

Lake Hartwell ave. 647.49 651.79 4.30  
monthly elevation (increase)

source: <http://water.sas.usace.army.mil/cf/AvgMonthly/AvgMonthly.cfm>

**Table 5**  
**Monitoring Well Stabilization Parameters - April 2008**  
**Clemson, South Carolina**  
**WPS Plant**

Well Number	Conductivity (mS/cm)	PCE (µg/L)	Dissolved Oxygen (mg/L)	ORP (mVolts)
BR-2	0.130	90.5	7.21	76
DG-2	0.091	1360.0	1.69	29
DG-4	0.053	346.0	4.76	344
MG-3	0.094	366.0	0.86	93
MG-4	0.139	797.0	1.07	535
MW-10A Shallow	0.112	974.0	1.59	116
MW-10A Deep	0.082	4640.0	3.87	515
MW-13	0.049	31.8	4.38	283
MW-14	0.203	<13	1.99	29
UG-1	0.063	1.7 J	4.61	136
UG-2	0.222	<1.3	1.93	114
UG-6	0.270	28.9	3.40	268
UGB-1	0.643	185.0	1.80	115
LUST-1	0.052	28.1	5.06	263
LUST-4	0.044	59.9	3.86	209

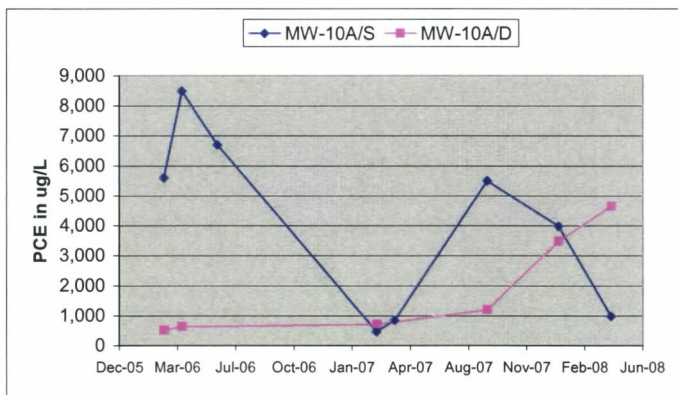


## **Graphs**

- **Graph PCE 1, Groundwater Concentration Trend**
- **Graph PCE 2, Groundwater Concentration Trend**
- **Graph PCE 3, Groundwater Concentration Trend**
- **Graph PCE 4, Groundwater Concentration Trend**

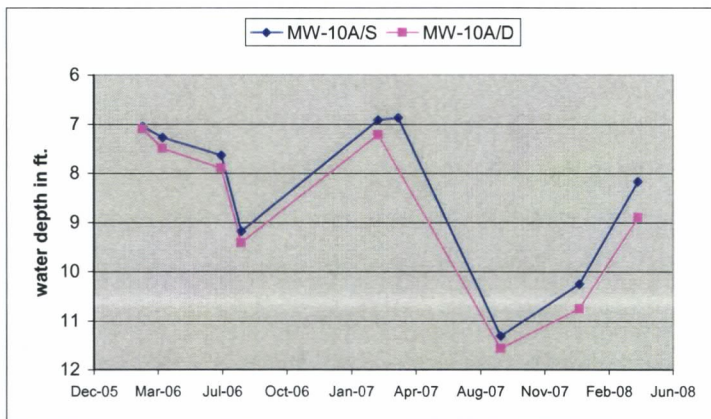
**Graph PCE 1**  
**Groundwater Concentration Trend**  
 Data Collected Thru 04/09/2008  
 WPS Plant - Clemson, South Carolina  
 Downgradient PCE Area Concentrations (in ug/L)

	Well <b>MW-10A/S</b> PCE (ug/L)	Well <b>MW-10A/D</b> PCE (ug/L)
Mar-06	5,600	520
Apr-06	8,500	640
Jun-06	6,700	ns (not sampled)
Mar-07	470	720
Apr-07	850	ns
Sep-07	5,500	1,200
Jan-08	3,980	3,480
Apr-08	974	4,640



HRC-A injection was June 26 to July 3, 2007 upgradient of these wells.

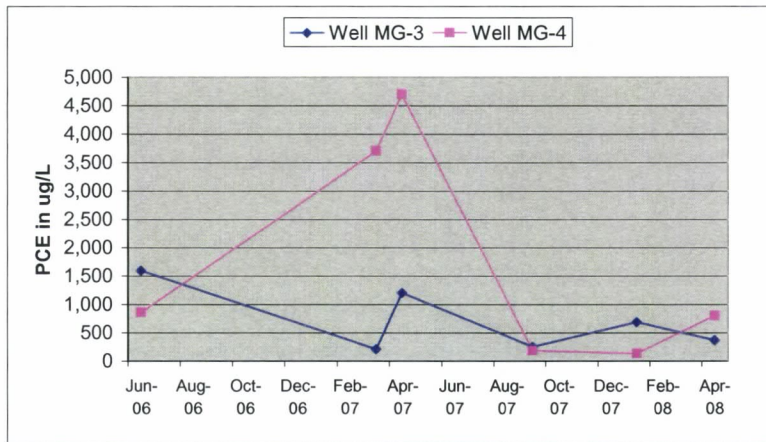
	Well <b>MW-10A/S</b> depth to water in ft.	Well <b>MW-10A/D</b> depth to water in ft.
Mar-06	7.05	7.1
Apr-06	7.28	7.5
Jul-06	7.64	7.9
Aug-06	9.18	9.41
Mar-07	6.92	7.22
Apr-07	6.87	ns
Sep-07	11.31	11.57
Jan-08	10.26	10.76
Apr-08	8.18	8.91





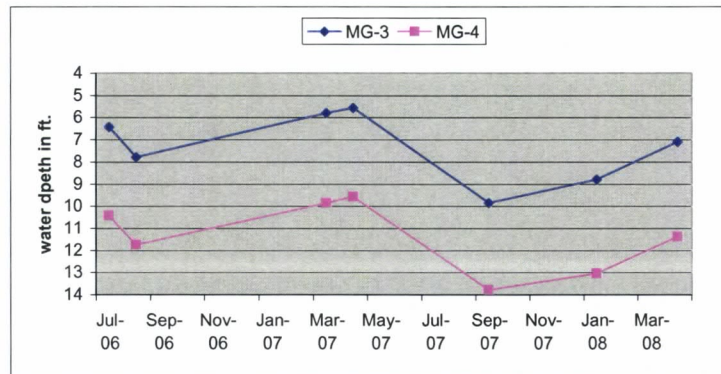
**Graph PCE 2**  
**Groundwater Concentration Trend**  
 Data Collected Thru 04/09/2008  
 WPS Plant - Clemson, South Carolina  
 Downgradient PCE Area Concentrations (in ug/L)

	Well <b>MG-3</b> PCE (ug/L)	Well <b>MG-4</b> PCE (ug/L)
Mar-06	ns (not sampled)	ns
Apr-06	ns	ns
Jun-06	1,600	860
Mar-07	210	3,700
Apr-07	1,200	4,700
Sep-07	250	180
Jan-08	685	130
Apr-08	366	797



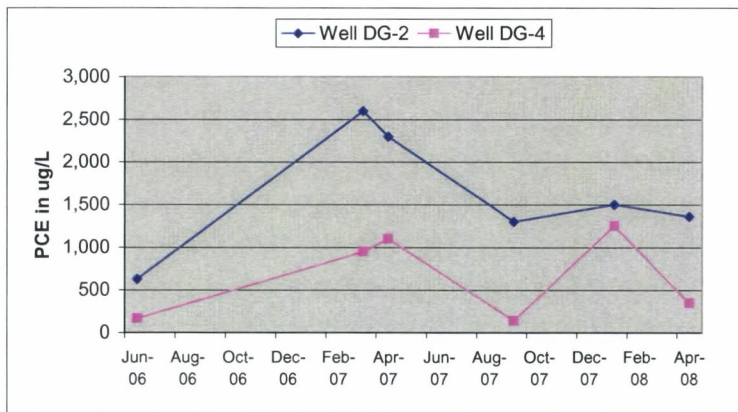
HRC-A injection was June 26 to July 3, 2007 upgradient of these wells.

	Well <b>MG-3</b> depth to water in ft.	Well <b>MG-4</b> depth to water in ft.
Jul-06	6.43	10.42
Aug-06	7.78	11.75
Mar-07	5.80	9.87
Apr-07	5.57	9.57
Sep-07	9.86	13.79
Jan-08	8.80	13.06
Apr-08	7.10	11.4



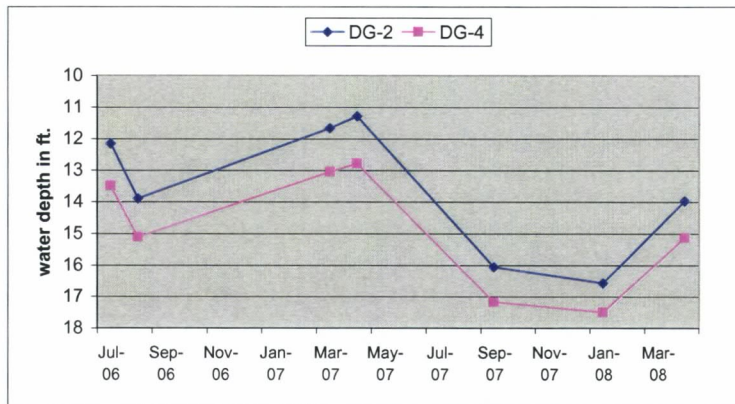
**Graph PCE 3**  
**Groundwater Concentration Trend**  
 Data Collected Thru 04/09/2008  
 WPS Plant - Clemson, South Carolina  
 Downgradient PCE Area Concentrations (in ug/L)

	Well DG-2 PCE (ug/L)	Well DG-4 PCE (ug/L)
Mar-06	ns (not sampled)	ns
Apr-06	ns	ns
Jun-06	630	170
Mar-07	2,600	950
Apr-07	2,300	1,100
Sep-07	1,300	140
Jan-08	1,500	1,250
Apr-08	1,360	346



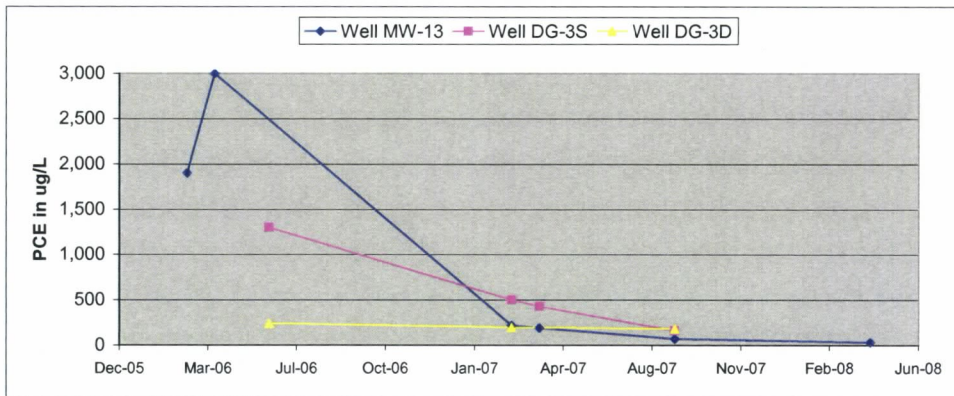
HRC-A injection was June 26 to July 3, 2007 upgradient of these wells.

	Well DG-2 depth to water in ft.	Well DG-4 depth to water in ft.
Jul-06	12.16	13.50
Aug-06	13.90	15.12
Mar-07	11.67	13.05
Apr-07	11.29	12.78
Sep-07	16.07	17.17
Jan-08	16.58	17.5
Apr-08	13.98	15.15



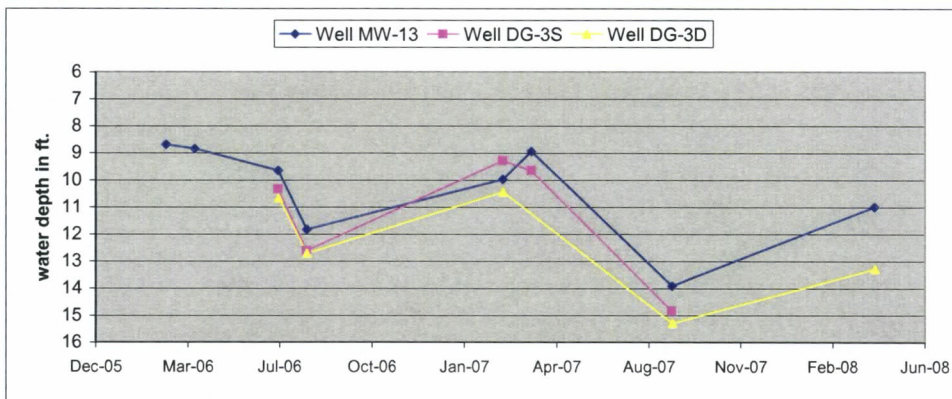
Graph PCE 4  
**Groundwater Concentration Trend**  
 Data Collected Thru 04/09/2008  
 WPS Plant - Clemson, South Carolina  
 Downgradient PCE Area Concentrations (in ug/L)

	Well <b>MW-13</b> PCE (ug/L)	Well <b>DG-3S</b> PCE (ug/L)	Well <b>DG-3D</b> PCE (ug/L)
Mar-06	1,900	ns (not sampled)	ns
Apr-06	3,000	ns	ns
Jun-06	ns	1,300	240
Mar-07	220	500	200
Apr-07	190	430	ns
Sep-07	72	160	180
Jan-08	ns	ns	ns
Apr-08	31.8	ns	ns



HRC-A injection was June 26 to July 3, 2007 - but not near these wells.

	Well <b>MW-13</b> depth to water in ft.	Well <b>DG-3S</b> depth to water in ft.	Well <b>DG-3D</b> depth to water in ft.
Mar-06	8.7	NS	NS
Apr-06	8.86	NS	NS
Jul-06	9.66	10.35	10.67
Aug-06	11.83	12.62	12.71
Mar-07	9.98	9.29	10.44
Apr-07	8.94	9.65	ns
Sep-07	13.92	14.83	15.3
Jan-08	NS	NS	NS
Apr-08	11	ns	13.28



**Attachment 1**

**April-June 2008 Well Sampling Field Notes  
WestPoint Home  
Clemson, South Carolina**



# Field Report

Date: 4/2/08

Project Name: West Point Homes, Inc.

Project #: 62403248

Project Manager: D. Markley

Cost Code: \_\_\_\_\_

Client Company: WPH, Inc.

Personnel (print): E. Thompson, D. Sandheinrich

Site: 500 W. Chery Road, WPS Plant, Clemson, SC

Role on Project: \_\_\_\_\_

TIME OBSERVATION

Page 1 of 2

0955 Weather: Temperature: 55 °F; Barometric Pressure: 1025 mbars; Conditions: overcast

Instrument Calibration: (Hydrolab / Quanta-G): pH-7: 7.61 → C; pH-10: 10.05 → C; pH-4: 4.61 → C

Sp. Conductance (@1.413ms): 1.52 → C; ORP: Liquid temp = 20.0 °C = adjusted to 235 mVs

*level w/ methylene blue* ← DO% (@ 100% saturation): BP@ 1025 mbars = adjusted to 767.75 mmHg, DO now = 8.86 mg/L

0800 Arrived on site met Davison. Checked in w/ guard.

Drove around site and located all wells to get Davison oriented to site. Gate was locked to get back to LFZ wells. Goldie let us in. We were told to call Davison to get in the gate. We were not needed.

0905 Set up on MW-10A/D. Calibrated equipment.

1040 Problems calibrating turbidity meter. Getting error reading when try to calibrate 1.0 NTU. Other two calibrations work. Not sure what the problem is. We decided not to use turbidity meter right now. Davison will work on fixing it tonight.

1110 Started MW-10A/D

1152 Sampled MW-10A/D

1205 Set up on MW-10A/S

1237 Sampled MW-10A/S

1245 Set up on BR-2

1357 Sampled BR-2. Collected Dup. 1.

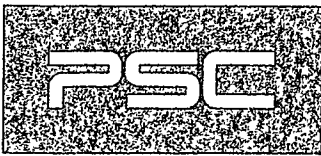
1415 Set up on DG-2

1439 Sampled DG-2

1450 Set up on DG-4

1512 Sampled DG-4

Signature: \_\_\_\_\_ Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_



# Field Report

Date: 4/8/08

Project Name: West Point Homes, Inc.

Project #: 62403248

Project Manager: D. Markley

Cost Code: \_\_\_\_\_

Client Company: WPH, Inc.

Personnel (print): E. Thompson, D. Sandheinrich

Site: 500 W. Cherry Road, WPS Plant, Clemson, SC

Role on Project: \_\_\_\_\_

TIME OBSERVATION

Page 2 of 2

Weather: Temperature: \_\_\_\_\_ °F; Barometric Pressure: \_\_\_\_\_ mbars; Conditions: \_\_\_\_\_

Instrument Calibration: (Hydrolab / Quanta-G): pH-7: \_\_\_\_\_; pH-10: \_\_\_\_\_; pH-4: \_\_\_\_\_

Sp. Conductance (@1.413ms): \_\_\_\_\_; ORP: Liquid temp = \_\_\_\_\_ °C = adjusted to \_\_\_\_\_ mVs

DO% (@ 100% saturation): BP@ \_\_\_\_\_ mbars = adjusted to \_\_\_\_\_ mmHg. DO now = \_\_\_\_\_ mg/L

1540 Set up on MG-3

1610 Sampled MG-3

1630 Went to look into two wells w/in buildings

1650 Erika left site for day.

1700 Completed GPS survey & marking of PCE plume area wells

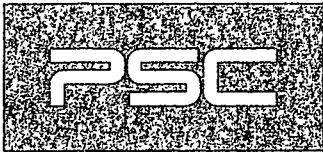
1730 Search around area of destroyed UG-2 well to salvage well cover. Found well riser in place, but damaged by well cover. Evidently the entire well cover & mounting pad were pushed approx. 6 inches over & well was obscured by cover. Cleared area out and restored well plug. Removed excess dirt and attempted to re-seat well cover, but unable to force it down into the bentonite all the way. Replaced the broken concrete pad around well cover as best I could, but not protected from future mishaps.

1815 Shot pictures to document demo progress.

1825 Damian departed site for the day.

Signature: Dan Sandheinrich

Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_



# Field Report

Date: 04/09/08

Project Name: West Point Homes, Inc.

Project #: 62403248

Project Manager: D. Markley

Cost Code: \_\_\_\_\_

Client Company: WPH, Inc.

Personnel (print): E. Thompson, D. Sandheinrich

Site: 500 W. Cherry Road, WPS Plant, Clemson, SC

Role on Project: samples taken

TIME OBSERVATION

Page 1 of 3

0810 Weather: Temperature: 50 °F; Barometric Pressure: 102.8 mbars; Conditions: partly cloudy  
 Instrument Calibration: (Hydrolab / Quanta-G): pH-7: 6.69-7C; pH-10: 11.18-7C; pH-4: 5.18-7 Fail  
 Sp. Conductance (@1.413ms): 1,420-7C; ORP: Liquid temp = 16.06°C = adjusted to 242 mVs  
 DO% (@ 100% saturation): BP@ 1030 mbars = adjusted to 772.5 mmHg, DO now = 10.09 mg/L

0830 Arrived on-site, checked in w/ Security Guard to get badges. Calibrated turbidity probe (new) & done standard.

During calibrations, Quanta meter would not allow pH4 recal. Attempted 3 x's - FAIL.

0850 Completed calibrations of Quanta meter - all good except pH4.

0952 Set up on MW-13

1008 SAMPLED MW-13

1027 Set up on MG-4

1053 SAMPLED MG-4

1115 Set up on UG-2 (Initial water level of 13.9'. This well cover was destroyed & recovered yesterday. Will attempt to sample high in water column. Water Clear Phosphate - no evident impact of cont soil in well

1149 Sampled UG-2

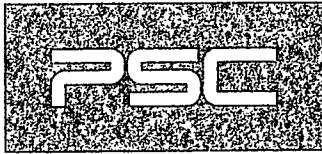
1207 Set up on UG-1

1240 Sampled UG-1

1253 Set up @ UG-3 to take WL measurement & look for FRP. WL = 15.9'. No evidence of free product, no odor, no color, no visual indication.

1300 Met w/ Bob Musso (Golden Accounts); Danny Peifer (Trehel); Larry Oursa & Charlie (Dr. Griffin) regarding expectations

Signature: \_\_\_\_\_ Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_



# Field Report

Date: 04/09/08

Project Name: West Point Homes, Inc.

Project #: 62403248

Project Manager: D. Markley

Cost Code: \_\_\_\_\_

Client Company: WPH, Inc.

Personnel (print): E. Thompson, D. Sandheinrich

Site: 500 W. Cherry Road, WPS Plant, Clemson, SC

Role on Project: \_\_\_\_\_

TIME OBSERVATION

Page 2 of 3

Weather: Temperature: \_\_\_\_\_ °F; Barometric Pressure: \_\_\_\_\_ mbars; Conditions: \_\_\_\_\_

Instrument Calibration: (Hydrolab / Quanta-G): pH-7: \_\_\_\_\_; pH-10: \_\_\_\_\_; pH-4: \_\_\_\_\_

Sp. Conductance (@1.413ms): \_\_\_\_\_; ORP: Liquid temp = \_\_\_\_\_ °C = adjusted to \_\_\_\_\_ mVs

DO% (@ 100% saturation): BP@ \_\_\_\_\_ mbars = adjusted to \_\_\_\_\_ mmHg, DO now = \_\_\_\_\_ mg/L

building demo. They can work around the Duke Power transformers and start demo. They have a 2<sup>nd</sup> crew on site and equipment coming in. They can start demo on Monday, 14 Apr. They estimate 4 weeks to complete building & slab demo. They request a 2 week status check & update on 28 Apr. (Erica will attend).  
 Asked them to protect the exterior wells as best as possible. Danny will set up orange fence around each well to add I.D. Overall good meeting. Question regarding back-fill of remediation dig & haul operation. - Must be back-filled so as not to impact demo ops.

1415 Erica departed site for the day.

1430 Set-up on MW-14.

Checked initial water level = 15.57', Took boiler sample for check for free product. No visual indicators - no sheen or FP delineation, but heavy odor.

1512 Sampled MW-14

1526 Setup on U6-6

1600 Sampled U6-6

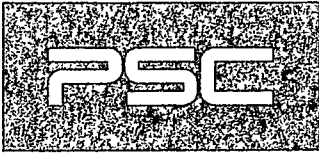
1619 Arrived @ U6B-1 - set-up for measurement & FP boiler run

Initial gas - 19.78', Heavy odor, No sheen or visual indication of F.P

1709 Sampled U6B-1

Signature: \_\_\_\_\_ Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_





# Field Report

Date: 04/09/08

Project Name: West Point Homes, Inc.

Project #: 62403248

Project Manager: D. Markley

Cost Code: \_\_\_\_\_

Client Company: WPH, Inc.

Personnel (print): E. Thompson, D. Sandheinrich

Site: 500 W. Cherry Road, WPS Plant, Clemson, SC

Role on Project: \_\_\_\_\_

TIME OBSERVATION

Page 3 of 3

Weather: Temperature: \_\_\_\_\_ °F; Barometric Pressure: \_\_\_\_\_ mbars; Conditions: \_\_\_\_\_

Instrument Calibration: (Hydrolab / Quanta-G): pH-7: \_\_\_\_\_; pH-10: \_\_\_\_\_; pH-4: \_\_\_\_\_

Sp. Conductance (@1.413ms): \_\_\_\_\_; ORP: Liquid temp = \_\_\_\_\_ °C = adjusted to \_\_\_\_\_ mVs

DO% (@ 100% saturation): BP@ \_\_\_\_\_ mbars = adjusted to \_\_\_\_\_ mmHg, DO now = \_\_\_\_\_ mg/L

1722 Arrived @ USB-2 to gauge well & check for F.P. Depth to water = 19.18', No indications of free product in boiler, no odor.

1734 Met w/ Larry & Charlie of dero, company. Visited out existing wells & sketched out what needs to be done to start dero monitor

1745 Set-up @ LUST-4

1812 Sampled LUST-4

1810 Set-up @ LUST-1

1842 Well went dry. Failed to recharge.

1845 Went & gauged LUST 2, 3, 5 & 6 awaiting for LUST-1 to recharge

1915 Re-measured WL in LUST-1 up to 16.44'

1918 Sampled LUST-1

1935 Dero'd equipment & gear, completed paperwork

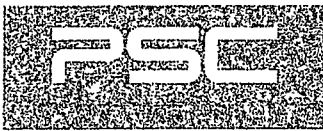
1939 Departed site for day. Checked out w/ security guard

Signature: [Signature]

Reviewed by: \_\_\_\_\_

Date: \_\_\_\_\_





# Field Report

Date: 04/10/08

Project Name: West Point Homes, Inc.

Project #: 62403248

Project Manager: D. Markley

Cost Code: \_\_\_\_\_

Client Company: WPH, Inc.

Personnel (print): E. Thompson, D. Sandheinrich

Site: 500 W. Cherry Road, WPS Plant, Clemson, SC

Role on Project: \_\_\_\_\_

TIME OBSERVATION

Page 2 of 2

Weather: Temperature: \_\_\_\_\_ °F; Barometric Pressure: \_\_\_\_\_ mbars; Conditions: \_\_\_\_\_

Instrument Calibration: (Hydrolab / Quanta-G): pH-7: \_\_\_\_\_; pH-10: \_\_\_\_\_; pH-4: \_\_\_\_\_

Sp. Conductance (@1.413ms): \_\_\_\_\_; ORP: Liquid temp = \_\_\_\_\_ °C = adjusted to \_\_\_\_\_ mVs

DO% (@ 100% saturation): BP@ \_\_\_\_\_ mbars = adjusted to \_\_\_\_\_ mmHg, DO now = \_\_\_\_\_ mg/L

1645 Departed site to FEDEX samples overnight.

1756 Completed shipment. - Heading back to site to gauge required wells.

1843 Arrived back on-site

1900 Gauged required wells. NOTE Unable to gauge MW-7 due to well covered w/ broken concrete demo debris. Measured MW-6 instead.

1958 Decanned equipment & packed gear for transport. Cleaned up site & organized gear

2019 Departed site. Checked out w/ guard (George).

Signature: *Paul Sandheinrich*

Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_

# WELL OBSERVATION DATA

Page 1 of 3

Project Name: West Point Homes, Inc

Project No.: 62403248

Project Manager: D. Markley

Cost Code: 02

Client Company: WPH, Inc.

Date: 04/09/08 / 10

Site Address: 500 West Cherry Road, Clemson, SC

Depth Measurement Instrument Type \_\_\_\_\_

Well or Piezometer	Time	Depth to Water (feet)	Total Well Depth (feet)	Installed Well Depth (feet)	Screened Interval (feet)	Pump Tubing Intake Depth (feet)	Comments
U1T -1	4/835	16.31'					
U1T -2	4/854	14.08'					
U1T -3	4/851	14.97'					
U1T -4	4/754	14.71'					
U1T -5	4/1901	12.04'					
U1T -6	4/858	14.11'					
U2 -2	4/1351	23.93'					
U2 -4	4/1245	23.19'					
U2 -5	4/1108	24.65'					
U2 -6	4/0811	27.36'					
U2 -7	4/0803	22.63'					
U2 -8							
U2 -8R	4/1015	28.98'					
U2 -9	4/0823	24.03'					
U2 -10	4/0929	24.32'					
U2 -11	4/1512	18.40'					
U3 -1	4/1637	19.78'					
U3 -2	4/1722	19.18'					
U4 -14	4/1456	15.57'					

Reason Not Measured: D = Dry; O = Obstructed; N = Not Accessible

Comments \_\_\_\_\_

Signature [Signature] Date 04/10/08 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# WELL OBSERVATION DATA

Page 2 of 3

Project Name: West Point Homes, Inc

Project No.: 62403248

Project Manager: D. Markley

Cost Code: \_\_\_\_\_

Client Company: WPH, Inc.

Date: 04/10/08

Site Address: 500 West Cherry Road, Clemson, SC

Depth Measurement Instrument Type \_\_\_\_\_

Well or Piezometer	Time	Depth to Water (feet)	Total Well Depth (feet)	Installed Well Depth (feet)	Screened Interval (feet)	Pump Tubing Intake Depth (feet)	Comments
NW -10AS	8/1218	8.18'					
NW -10AD	8/1116	8.91'					
DG -4	8/1458	15.15'					
NW -4							
NW -3							
NW -9	10/1929	14.02'					
NW -11	10/1929	11.79'					
NW -12	10/1919	10.67'					
DG -2	8/1422	13.98'					
NW -13	9/0951	11.00'					
DG -5	10/1906	9.85'					
DG -1	10/1903	9.88'					
DG -3D	10/1910	13.28'					
DG -3S							
DG -6	10/1916	14.71'					
DG -7	10/1913	12.53'					
BR-2	8/1304	14.09'					

Reason Not Measured: D = Dry; O = Obstructed; N = Not Accessible

Comments \_\_\_\_\_

Signature [Signature] Date 04/10/08 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# WELL OBSERVATION DATA

Page 3 of 3

Project Name: West Point Homes, Inc  
 Project Manager: D. Markley  
 Client Company: WPH, Inc.  
 Site Address: 500 West Cherry Road, Clemson, SC

Project No.: 62403248  
 Cost Code: \_\_\_\_\_  
 Date: 04/10/08

Depth Measurement Instrument Type \_\_\_\_\_

Well or Piezometer	Time	Depth to Water (feet)	Total Well Depth (feet)	Installed Well Depth (feet)	Screened Interval (feet)	Pump Tubing Intake Depth (feet)	Comments
NW -5	10/1846	16.55'					
UG -3	9/1253	15.91'					
UG -1	9/1212	15.22'					
UG -5							
UG -2	9/1121	13.91'					
UG -6	9/1536	13.35'					
UG -7							
UG -4							
NW -8							
NW -2							
NW -6	10/1839	21.58'					
NW -7							
NW -1							
MG -4	9/1036	11.40'					
MG -6	10/1945	3.47'					
MG -5							
MG -3	8/1551	7.10'					
MG -2	10/1853	0.85'					
NW -10B	10/1858	19.64'					

Reason Not Measured: D = Dry; O = Obstructed; N = Not Accessible

Comments \_\_\_\_\_

Signature D. Markley Date 04/10/08 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number BR-2

Page 1 of     

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code       
 Site Name Clemson Plant

## Development Criteria

- 3 to 5 Casing Volumes of Water Removal
- Stabilization of Indicator Parameters
- Other

## Water Volume Calculation

(2"=0.1632, 4"=0.6528)  
 Initial Depth of Well (feet) 14.09  
 Height of Water Column in Well (feet)       
 Diameter (inches): Well      Gravel Pack     

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

## Methods of Development

- Pump  Bailor
- Centrifugal  Bottom Valve
- Submersible  Double Check Valve
- Peristaltic  Stainless-steel Kemmerer
- Whale  Grundfos  Bladder

## Instruments

- Temperature Meter On site
- Conductivity Meter
- DO Meter
- pH Meter
- ORP Meter
- Turbidity Meter La Motte

Water Disposal: On Ground

gallon to liter conversion (x3.8) =      Liters

## Water Removal Data

Date	Time	Development Method	Removal Rate (liters/min)	Inlet Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (liters)		Temp (C)	Conductivity (ms/cm)	Discharged Chlorine (mg/L)	pH	ORP (mV/ohm)	Turbidity (10 units)	Comments
						Incremental	Cumulative							
11/08/08	1300	x	0.25	111	-	0	-	-	-	-	-	-	-	Start purging
	1305				14.50	0.25	16.60	0.128	6.86	5.61	5.61	138	2.47	
	1311				15.33	1.5	16.71	0.128	7.17	5.79	141	2.67		
	1317				16.15	1.5	16.70	0.129	7.17	5.75	129	2.91		
	1323				16.79	1.5	16.70	0.129	7.12	6.34	114	1.66		
	1329				17.33	1.5	16.75	0.129	7.23	7.19	101	1.26		
	1335				17.75	1.5	16.70	0.130	7.22	7.72	87	1.81		
	1341				18.11	1.5	16.70	0.130	7.28	8.17	83	2.90		
	1347				18.43	1.5	16.77	0.129	7.22	8.53	77	2.99		
	1351				18.70	1.5	16.77	0.130	7.21	8.66	76	1.88		Collect Sample

Circle the date and time that the development criteria are met.  
 Comments SAMPLES COLLECTED

Developer's Signature(s) [Signature] Date 04/08/08 Reviewer      Date

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number DG-2

Page 1 of 1

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_  
 Site Name Clemson Plant

### Development Criteria

- 3 to 5 Casing Volumes of Water Removal  
 Stabilization of Indicator Parameters  
 Other \_\_\_\_\_

### Methods of Development

- Pump  
 Centrifugal  Bottom Valve  
 Submersible  Double Check Valve  
 Peristaltic  Stainless-steel Kemmerer  
 Whale  Grundfos  Bladder  \_\_\_\_\_

### Water Volume Calculation

(2"=0.1632, 4"=0.6528)  
 1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) \_\_\_\_\_  
 Initial Depth to Water (feet) 13.98  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well \_\_\_\_\_ Gravel Pack \_\_\_\_\_

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

### Instruments

- Serial No. (if applicable) Quanta  
 Temperature Meter  
 Conductivity Meter  
 DO Meter  
 pH Meter  
 ORP Meter  
 Turbidity Meter

Water Disposal: On Ground

gallon to liter conversion (x3.8) = \_\_\_\_\_ Liters

### Water Removal Data

Date	Time	Development Method	Pump Scale	Removal Rate (liter/min)	Injection Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (liters)	Product Volume Removed (liters)	Temp (°C)	Conductivity (µS/cm) (ppm)	Dissolved Oxygen (mg/L)	pH	ORP (mVols)	Turbidity (NTU)	Comments	
																Cumulative
1422	x			0.25	18		0									
1423						15.50	0.25	0.15	16.8	0.112	1.99	8.17	-174			Start purging
1425						15.48	0.50	0.75	16.87	0.108	1.58	7.64	-86			
1427						15.48	0.50	1.25	16.84	0.099	1.59	7.59	-71			
1429						15.49	0.50	1.75	16.80	0.101	1.53	7.12	-90			
1431						15.49	0.50	2.25	16.75	0.100	1.84	6.72	-21			
1433						15.49	0.50	2.75	16.69	0.079	1.88	6.47	-4			
1435						15.49	0.50	3.25	16.67	0.087	1.69	6.37	16			
1437						15.49	0.50	3.75	16.69	0.091	1.69	6.28	29			Collect Sample

Circle the date and time that the development criteria are met.  
 Comments 2 runs closed @ 1439

Developer's Signature(s) [Signature] Date 01/08/08 Reviewer \_\_\_\_\_



# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number D9-4

Page 1 of 1

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_  
 Site Name Clemson Plant

### Development Criteria

- 3 to 5 Casing Volumes of Water Removal
- Stabilization of Indicator Parameters
- Other \_\_\_\_\_

### Water Volume Calculation

(2"=0.1632, 4"=0.6528)  
 1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) 20'  
 Initial Depth to Water (feet) 15.15'  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well \_\_\_\_\_ Gravel Pack \_\_\_\_\_

### Methods of Development

- Pump
- Centrifugal
- Submersible
- Peristaltic
- Whale
- Bottom Valve
- Double Check Valve
- Stainless-steel Kemmerer
- Grundfos
- Bladder

Item	Water Volume In Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

### Instruments

- Temperature Meter Quanta
- Conductivity Meter
- DO Meter
- pH Meter
- ORP Meter
- Turbidity Meter La Motte

Water Disposal: On Ground

gallon to liter conversion (3.8) = \_\_\_\_\_ Liters

### Water Removal Data

Date	Time	Development Method	Pump	Rate (Lier/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)	Production (Gallons)	Temp (°C)	Conductivity (µmS/cm)	Dissolved Oxygen (mg/L)	pH	Oar (inVolts)	Turbidity (<10 NTUs)	Comments	
																Volume (Liters)
4/8/08	1459	X		0.25	19.00		0									
	1459				17.34	17.34	0.25	0.25	17.70	0.045	5.68	5.41	60			Start purging
	1501				18.40	18.40	0.25	0.50	17.76	0.051	5.38	5.99	114			
	1503				18.79	18.79	0.25	0.75	17.57	0.044	4.94	4.75	175			
	1505				18.80	18.80	0.25	1.00	17.19	0.056	4.89	4.99	251			
	1507				18.80	18.80	0.25	1.25	17.16	0.048	4.81	5.28	309			
	1509				18.80	18.80	0.25	1.50	17.12	0.053	4.76	5.16	344			
																Collect Sample

Circle the date and time that the development criteria are met.  
 Comments Sampled @ 1512

Developer's Signature(s) [Signature] Date 4/10/08 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number LUST-1

Page 1 of 1

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_  
 Site Name Clemson Plant

### Development Criteria

- 3 to 5 Casing Volumes of Water Removal
- Stabilization of Indicator Parameters
- Other \_\_\_\_\_

### Water Volume Calculation

(2"=0.1632, 4"=0.6528)  
 1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) 18.1 (casing)  
 Initial Depth to Water (feet) 16.31  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well \_\_\_\_\_ Gravel Pack \_\_\_\_\_

### Methods of Development

- Pump
  - Centrifugal
  - Submersible
  - Peristaltic
  - Whale
- Bailor
- Bottom Valve
- Double Check Valve
- Stainless-steel Kemmerer
- Groundfos
- Bladder

Items	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

### Instruments

- Temperature Meter
- Conductivity Meter
- DO Meter
- pH Meter
- ORP Meter
- Turbidity Meter

Water Disposal: On Ground

### Water Removal Data

Date	Time	Development Method	Pump	Removal Rate (Upr/min)	Inlet Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)	Product Volume Removed (Liters)	Temp (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/l)	pH	ORP (mVols)	Turbidity (NTUs)	Comments	
																Flow
04/01/08	1835	x		0.25	17.0		0									Start purging
	1836				17.18		0.25		19.86	0.044	5.55	4.94	276			
	1837				17.19		0.50		21.08	0.042	4.74	4.75	278			
	1838				17.35		0.75		22.08	0.039	4.85	4.74	283			
	1839				17.84		1.00		20.85	0.049	5.16	5.22	286			
	1841				18.18		1.25		19.50	0.056	3.62	4.85	301			Well West Dry @ 1842
Restart	1914								P							
	1915				17.55				19.32	0.056	4.34	5.04	257			
	1916				17.89				19.36	0.052	5.06	4.86	263			Collect Sample

gallon to liter conversion (x3.8) = 2.6 Liters

Circle the date and time that the development criteria are met.  
 Comments SAMPLED @ 1918

Developer's Signature(s) [Signature] Date 04/01/08 Reviewer \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number W5F-9

Page 1 of 1

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_  
 Site Name Clemson Plant

### Development Criteria

- 3 to 5 Casing Volumes of Water Removal
- Stabilization of Indicator Parameters
- Other \_\_\_\_\_

### Water Volume Calculation (2"=0.1632, 4"=0.6528)

1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) 20' (Chart)  
 Initial Depth to Water (feet) 14.71'  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well " Gravel Pack \_\_\_\_\_

### Instruments

- Temperature Meter Oranfa
- Conductivity Meter \_\_\_\_\_
- DO Meter \_\_\_\_\_
- pH Meter \_\_\_\_\_
- ORP Meter \_\_\_\_\_
- Turbidity Meter La Min Me

### Methods of Development

- Pump
- Centrifugal
- Submersible
- Peristaltic
- Whale
- Bladder
- Bottom Valve
- Double Check Valve
- Stainless-steel Kemmerer
- Grundfos
- Bladder

Item	Water Volume in Well (Gallons)	Gallons to be Retrieved
Well Casing		
Gravel Pack		
Drilling Fluids		
Total		

Water Disposal: On Ground

gallon to liter conversion (x3.8) = 3.3 Liters

### Water Removal Data

Date	Time	Development Method	Pump	Removal Rate (liter/min)	Inlet Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (liters)		Product Volume Removed (liters)	Conductivity (µS/cm (ppm))	Dissolved Oxygen (mg/l)	pH	Oil (mg/l)	Turbidity (NTU)	Comments
							Incremental	Cumulative							
04/09/08	1754	X		0.25	19.0		0								Start purging
	1755				14.70	14.70	0.25	0.25	21.46	0.037	4.22	5.81	123	34.6	Clear
	1757				14.71	14.71	0.50	0.75	21.24	0.041	3.91	5.33	155	14.5	
	1759				14.72	14.72	0.50	1.25	20.90	0.043	4.17	5.00	182	14.2	
	1801				14.72	14.72	0.50	1.75	20.71	0.043	4.09	4.86	187	7.59	
	1803				14.73	14.73	0.50	2.25	20.59	0.043	4.07	5.05	200	7.52	
	1805				14.73	14.73	0.50	2.75	20.89	0.044	3.97	5.30	193	4.79	
	1807				14.73	14.73	0.50	3.25	20.62	0.044	3.94	5.21	199	5.54	
	1809				14.73	14.73	0.50	3.75	20.79	0.044	3.86	5.17	209	4.36	Collect Sample

Circle the date and time that the development criteria are met.

Comments SAMPLED @ 18L

Developer's Signature(s) [Signature] Date 04/09/08 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number 19714-3 Page 1 of 1  
Project No. 62403248  
Project Manager D. Markley Cost Code \_\_\_\_\_

Project Name West Point Homes, Inc Site Address 500 West Cherry Road, Clemson, SC  
Client Company WPH, Inc. Site Name Clemson Plant

## Development Criteria

- 3 to 5 Casing Volumes of Water Removal  
 Stabilization of Indicator Parameters  
 Other \_\_\_\_\_

## Methods of Development

- Pump**  
 Centrifugal  Bottom Valve  
 Submersible  Double Check Valve  
 Peristaltic  Stainless-steel Kemmerer  
 Whale  Grundfos  Bladder  \_\_\_\_\_

## Water Volume Calculation (2"=0.1632, 4"=0.6528)

1"=0.041, 1.5"=0.092  
Initial Depth of Well (feet) 18.91  
Initial Depth to Water (feet) 7.10  
Height of Water Column in Well (feet) \_\_\_\_\_  
Diameter (inches): Well " \_\_\_\_\_ Gravel Pack \_\_\_\_\_

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

## Instruments

- Serial No. (if applicable) \_\_\_\_\_  
 Temperature Meter Quart  
 Conductivity Meter \_\_\_\_\_  
 DO Meter \_\_\_\_\_  
 pH Meter \_\_\_\_\_  
 ORP Meter \_\_\_\_\_  
 Turbidity Meter Lo Profile

Water Disposal: On Ground

gallon to liter conversion (x3.8) = \_\_\_\_\_ Liters

## Water Removal Data

Date	Time	Development Method Pump - Rate	Removal Rate (Liter/min)	Inlet Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Temp (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	Depth (meters)	Depth (feet)	Comments
						Increment	Cumulative							
4/10/06	1551	x	0.75	16'		0								Start purging
	1552				9.52	0.25	0.25	18.46	0.032	1.41	5.61	164		
	1555				8.50	0.75	1.00	18.65	0.077	1.08	4.74	118	573	
	1558				8.50	0.75	1.75	18.57	0.086	0.97	5.01	96	39.7	
	1601				8.50	0.75	2.50	18.68	0.091	0.90	4.75	108	27.5	
	1604				8.56	0.75	3.25	18.67	0.093	0.86	4.73	91	46.00	
	1607				8.59	0.75	4.00	18.83	0.094	0.86	4.91	93	46.00	
														Collect Sample

Circle the date and time that the development criteria are met.

Comments SMALLER #1601

Developer's Signature(s) Don P. [Signature] Date 04/10/08 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number MG-4

Page 1 of 1

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_  
 Site Name Clemson Plant

**Development Criteria**  
 3 to 5 Casing Volumes of Water Removal  
 Stabilization of Indicator Parameters  
 Other \_\_\_\_\_

**Methods of Development**  
 Pump  
 Centrifugal  
 Submersible  
 Peristaltic  
 Whale  
 Grundfos  
 Bladder  
 \_\_\_\_\_

**Instruments**  
 Temperature Meter  
 Conductivity Meter  
 DO Meter  
 pH Meter  
 ORP Meter  
 Turbidity Meter  
 Serial No. (if applicable) Quets  
 Water Disposal: On Ground

**Water Volume Calculation** (2"=0.1632, 4"=0.6528)  
 1"=0.041, 1.5"=0.092

Initial Depth of Well (feet) \_\_\_\_\_  
 Initial Depth to Water (feet) 11.4  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well " \_\_\_\_\_ Gravel Pack \_\_\_\_\_

Item	Water Volume in Well (Gallons)	Gallons to be Removed
Well Casing		
Gravel Pack		
Drilling Fluids		
Total		

gallon to liter conversion (x3.8) = \_\_\_\_\_ Liters

## Water Removal Data

Date	Time	Development Method	Pump	Rate (L/min)	Initial Water Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Temp (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/l)	pH	ORP (mVols)	Turbidity (cpd NTUs)	Comments	
							Increment	Cumulative								
04/01/08	1036	x		0.25	19.0		0									
	1037			0.25		11.93	0.25	0.25	17.83	0.126	2.80	5.97	288	94.2		Start purging
	1039			0.75		12.02	0.50	0.75	17.65	0.131	1.40	5.88	328	23.9		
	1041			1.25		12.02	0.5	1.25	17.63	0.134	1.20	5.80	396	10.65		
	1043			1.75		12.04	0.5	1.75	17.67	0.135	1.08	5.80	433	13.2		
	1045			2.25		12.06	0.5	2.25	17.63	0.137	1.07	5.56	479	9.58		
	1047			2.75		12.11	0.5	2.75	17.65	0.137	1.11	5.15	507	10.95		
	1049			3.25		12.11	0.5	3.25	17.62	0.138	1.12	5.26	521	14.7		
	1051			3.75		12.11	0.5	3.75	17.64	0.139	1.07	5.38	535	14.4		Collect Sample

Circle the date and time that the development criteria are met.  
 Comments MARKLEY 1053

Developer's Signature(s) [Signature] Date 04/01/08 Reviewer \_\_\_\_\_ Date \_\_\_\_\_  
 Form A0101 Rev. 4/3/2008

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number MN-10A/D

Page 1 of 1

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_  
 Site Name Clemson Plant

**Development Criteria**  
 3 to 5 Casing Volumes of Water Removal  
 Stabilization of Indicator Parameters  
 Other \_\_\_\_\_

**Water Volume Calculation** (2"=0.1632, 4"=0.6528)  
 1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) \_\_\_\_\_  
 Initial Depth to Water (feet) 8.91 ft  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well " \_\_\_\_\_ Gravel Pack \_\_\_\_\_

**Methods of Development**  
 Pump \_\_\_\_\_  
 Centrifugal  Bottom Valve  
 Submersible  Double Check Valve  
 Peristaltic  Stainless-steel Kemmerer  
 Whale  Grundfos  Bladder  \_\_\_\_\_

Item	Water Volume in Well		Gallons to be	
	Cubic Feet	Gallons	Removed	Removed
Well Casing				
Gravel Pack				
Drilling Fluids				
Total				

**Instruments**  
 Temperature Meter  
 Conductivity Meter  
 DO Meter  
 pH Meter  
 ORP Meter  
 Turbidity Meter  
 Serial No. (if applicable) Quanta  
 Water Disposal: On Ground

gallon to liter conversion (x3.8) = \_\_\_\_\_ Liters

## Water Removal Data

Date	Time	Development Method	Pump	Bailer	Removal Rate (Ltr/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Temp (°C)	Conductivity (µmS/cm)	Dissolved Oxygen (mg/l)	pH	ORP (mVols)	Turbidity (<10 NTUs)	Comments		
								Increment	Cumulative									
4/8/08	1116		X		0.25	44'		0										
	1117						14.10	0.25	18.17	0.000	7.06	7.49	193				Start purging	
	1121						16.95	1	17.83	0.081	3.68	6.36	203					clean
	1125						20.41	1	17.40	0.083	3.98	6.11	225					
	1129						21.95	1	17.39	0.083	3.95	5.98	244					
	1133						22.90	1	17.39	0.082	3.81	5.82	279					
	1137						23.15	1	17.30	0.082	3.83	5.91	354					
	1141						23.23	1	17.26	0.082	3.88	5.89	451					
	1145						23.45	1	17.26	0.082	3.87	5.73	501					
	1149						23.78	1	17.25	0.082	3.87	5.81	515					Collect Sample

Circle the date and time that the development criteria are met.

Comments SAMPLE COLLECTED @ 1152

Developer's Signature(s) [Signature] Date 04/08/08 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number MW-10A's

Page 1 of 1

Project Name West Point Homes, Inc. Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_  
 Site Name Clemson Plant

**Water Volume Calculation** (2"=0.1632, 4"=0.6528) Serial No. (if applicable) Duan 13  
 1"=0.041, 1.5"=0.092

Initial Depth of Well (feet) \_\_\_\_\_  
 Initial Depth to Water (feet) 8.18  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well " \_\_\_\_\_ Gravel Pack \_\_\_\_\_

**Methods of Development**

- Pump  
 Centrifugal  
 Submersible  
 Peristaltic  
 Whale  
 Grundfos  
 Bladder  
 Bailor  
 Bottom Valve  
 Double Check Valve  
 Stainless-steel Kemmerer  
 Bladder

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

**Development Criteria**  
 3 to 5 Casing Volumes of Water Removal  
 Stabilization of Indicator Parameters  
 Other \_\_\_\_\_

**Instruments**  
 Temperature Meter  
 Conductivity Meter  
 DO Meter  
 pH Meter  
 ORP Meter  
 Turbidity Meter

Water Disposal: On Ground

gallon to liter conversion (4.8) = \_\_\_\_\_ Liters

**Water Removal Data**

Date	Time	Development Method	Pump	Baker	Recovery Rate (lit/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Temp (C)	Conductivity (ms/cm) (ppm)	Dissolved Oxygen (mg/l)	pH	ORP (mVols)	Turbidity (NTU)	Comments	
								Incremental	Cumulative								
4/08/08	1218		X					0									
	1219					8.32	8.32	1.25	1.25	16.74	0.063	242	5.68	258	89.3	Slightly turbid e	
	1223					8.32	8.32	1.00	1.25	16.62	0.095	1.66	5.86	162	24.5	turnover, then clear	
	1227					8.32	8.32	1.00	2.25	16.60	0.104	1.60	5.66	136	15.2	Clear	
	1231					8.32	8.32	1.00	3.25	16.60	0.110	1.59	5.72	123	9.9		
	1234					8.32	8.32	1.00	4.25	16.60	0.112	1.59	5.75	116	8.5		
																	Collect Sample

Circle the date and time that the development criteria are met.

Comments SAMPLES COLLECTED @ 1237

Developer's Signature(s) [Signature] Date 04/08/08 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number MW-13

Page 1 of 1

Project Name West Point Homes, Inc. Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_  
 Site Name Clemson Plant

**Water Volume Calculation** (2"=0.1632, 4"=0.6528) Serial No.: (if applicable)  
 1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) \_\_\_\_\_ Instruments  
 Initial Depth to Water (feet) 11.00'  Temperature Meter  
 Height of Water Column in Well (feet) \_\_\_\_\_  Conductivity Meter  
 Diameter (inches): Well \_\_\_\_\_ " Gravel Pack  DO Meter  
 pH Meter  
 ORP Meter La Motte  
 Turbidity Meter

Water Volume Calculation (2"=0.1632, 4"=0.6528)

Initial Depth of Well (feet) \_\_\_\_\_

Initial Depth to Water (feet) 11.00'

Height of Water Column in Well (feet) \_\_\_\_\_

Diameter (inches): Well \_\_\_\_\_ " Gravel Pack \_\_\_\_\_

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

**Development Criteria**  
 3 to 5 Casing Volumes of Water Removal  
 Stabilization of Indicator Parameters  
 Other \_\_\_\_\_

**Methods of Development**  
 Pump \_\_\_\_\_  
 Centrifugal  Bailor  
 Submersible  Bottom Valve  
 Peristaltic  Double Check Valve  
 Whale  Stainless-steel Kemmerer  
 Grundfos  Bladder  \_\_\_\_\_

Water Disposal: on ground

gallon to liter conversion (x3.8) = \_\_\_\_\_ Liters

## Water Removal Data

Date	Time	Development Method	Pump	Scale	Removal Rate (Lier/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Temp (°C)	Conductivity (ms/cm (ppm))	Dissolved Oxygen (mg/l)	pH	ORP (mVola)	Turbidity (10 NTU)	Comments		
								Incremental	Cumulative									
04/09/08	0951	x			0.25	19.0		0	0									
	0954						12.4	0.25	0.25	14.98	0.047	5.44	6.73	230	50.0		Start purging	
	0956						12.53	0.50	0.75	14.95	0.047	5.11	6.86	228	37.5			
	0958						12.65	0.50	1.25	15.06	0.048	4.92	6.22	244	17.1			
	1000						12.78	0.50	1.75	15.10	0.048	4.87	6.29	257	15.4			
	1002						12.87	0.50	2.25	15.16	0.049	4.83	6.12	273	13.1			
	1004						13.01	0.50	2.75	15.14	0.049	4.59	5.78	300	15.1			
	1006						13.10	0.50	3.25	15.17	0.049	4.38	5.62	283	10.4			
																		Collect Sample

Circle the date and time that the development criteria are met.  
 Comments: SAMPLED @ 1008

Developer's Signature(s) [Signature] Date 4/10/08 Reviewer \_\_\_\_\_



Development  
 Purging

# WELL DEVELOPMENT AND PURGING DATA

Well Number MW-14

Page 1 of 1

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_  
 Site Name Clemson Plant

**Development Criteria**  
 3 to 5 Casing Volumes of Water Removal  
 Stabilization of Indicator Parameters  
 Other \_\_\_\_\_

**Methods of Development**  
 Pump  
 Centrifugal  
 Submersible  
 Peristaltic  
 Whale  
 Grundfos  
 Bladder  
 Bailer  
 Bottom Valve  
 Double Check Valve  
 Stainless-steel Kemmerer

**Water Volume Calculation** (2"=0.1632, 4"=0.6528)  
 1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) 251 (chart)  
 Initial Depth to Water (feet) 15.57  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well \_\_\_\_\_ Gravel Pack \_\_\_\_\_

Item	Water Volume In Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

**Instruments**  
 Temperature Meter  
 Conductivity Meter  
 DO Meter  
 pH Meter  
 ORP Meter  
 Turbidity Meter

Serial No. (if applicable) Over 12  
 Water Disposal: On Ground

gallon to liter conversion (x3.8) = 1.5 Liters

## Water Removal Data

Date	Time	Development Method	Pump Rate	Recovery Rate (Ltr/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Temp (°C)	Conductivity (ms/cm (ppm))	Dissolved Oxygen (mg/l)	pH	ORP (mV/ohm)	Turbidity (1/100 ft)	Comments	
							Increment	Cumulative								
04/09/08	1456	x	0.25	23.0			0									
	1457				16.04		0.25	0.25	22.83	0.230	2.38	3.58	22	68.4		
	1459				16.1		0.50	0.75	23.00	0.227	2.06	5.09	19	36.9		
	1501				16.09		0.50	1.25	22.94	0.222	2.01	5.57	23	21.3		
	1503				16.11		0.50	1.75	22.98	0.219	1.99	5.72	28	12.8		
	1505				16.12		0.50	2.25	23.00	0.212	2.01	5.62	33	12.0		
	1507				16.16		0.50	2.75	23.00	0.209	2.02	5.67	33	7.08		
	1509				16.19		0.50	3.25	23.01	0.203	1.99	5.60	29	7.19		
																Collect Sample

Circle the date and time that the development criteria are met  
 Comments SAMPLED @ 1512

Developer's Signature(s) [Signature] Date 04/09/08 Reviewer \_\_\_\_\_ Date \_\_\_\_\_  
 Form A0101 Rev. 4/3/2008 S:\Shared\ENV\62403033\Field Forms\Well Development.doc

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number UG-1

Page 1 of 1

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Name Clemson Plant Site Address 500 West Cherry Road, Clemson, SC  
 Cost Code \_\_\_\_\_

## Development Criteria

- 3 to 5 Casing Volumes of Water Removal  
 Stabilization of Indicator Parameters  
 Other \_\_\_\_\_

## Water Volume Calculation (2"=0.1632, 4"=0.6528)

1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) 20'  
 Initial Depth to Water (feet) 15.22  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well " \_\_\_\_\_ Gravel Pack \_\_\_\_\_

## Methods of Development

- Pump  
 Centrifugal  
 Submersible  
 Peristaltic  
 Whale  
 Bladder  
 Bottom Valve  
 Double Check Valve  
 Stainless-steel Kemmerer  
 Grundfos  
 Bladder

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

## Instruments

- Serial No. (if applicable) Quanta  
 Temperature Meter  
 Conductivity Meter  
 DO Meter  
 pH Meter  
 ORP Meter  
 Turbidity Meter

Water Disposal: On Ground.

## Water Removal Data

gallon to liter conversion (x3.8) = \_\_\_\_\_ Liters

Date	Time	Development Method	Removal Rate (liter/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Product Volume Removed (Liters)	Temp (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mVolts)	Turbidity (±10 NTUs)	Comments	
						Increment	Cumulative									
4/9/08	1212	X		19.0'		0										Start purging
	1213			15.86'		0.25	0.25		23.47	0.084	9.25	5.85	178	119		Red hue - turbid.
	1216			16.90'		0.75	1.00		23.44	0.059	9.28	5.76	193	152		
	1219			16.71		0.75	1.75		23.39	0.057	9.07	5.56	191	142		
	1222			18.31		0.75	2.50		23.40	0.055	8.70	5.14	209	127		cleared up some.
	1225			18.74		0.75	3.25		23.34	0.055	7.26	5.28	192	105		
	1228			19.02		0.75	4.00		23.37	0.062	6.17	5.26	182	83		
	1231			19.25		0.75	4.75		23.40	0.061	5.63	5.22	167	63		
	1234			19.40		0.75	5.50		23.33	0.058	4.95	5.26	153	47		Collect Sample
	1237			19.55		0.75	6.25		23.34	0.063	4.61	5.27	136	37		

Circle the date and time that the development criteria are met.

Comments: SAMPLED @ 1240

Developer's Signature(s) [Signature] Date 4/9/08 Reviewer \_\_\_\_\_

Date \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number 16-2

Page 1 of 1

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Name Clemson Plant Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_

**Water Volume Calculation** (2"=0.1632, 4"=0.6528)  
 1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) \_\_\_\_\_  
 Initial Depth to Water (feet) 13.91  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well \_\_\_\_\_ Gravel Pack \_\_\_\_\_

**Instruments**  
 Temperature Meter  
 Conductivity Meter  
 DO Meter  
 pH Meter  
 ORP Meter  
 Turbidity Meter

Serial No. (if applicable) Quantif  
 Water Disposal: On Ground

Item	Water Volume in Well Cubic Feet	Gallons Removed	Gallons to be Removed
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

**Development Criteria**  
 3 to 5 Casing Volumes of Water Removal  
 Stabilization of Indicator Parameters  
 Other \_\_\_\_\_

**Methods of Development**  
 Pump:  Bailer  
 Centrifugal  Bottom Valve  
 Submersible  Double Check Valve  
 Peristaltic  Stainless-steel Kemmerer  
 Whale  Grundfos  Bladder  \_\_\_\_\_

gallon to liter conversion (x3.8) = \_\_\_\_\_ Liters

## Water Removal Data

Date	Time	Development Method Pump: Bailer	Removal Rate (Ltr/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Comments
						Incremental	Cumulative							
04/09/08	1121	x	0.25	23.0'			0							Start purging
	1122			14.80	15.13	0.25	0.25	20.77	0.204	3.40	5.35	329	36.6	Clear
	1125			15.13	15.99	0.75	1.00	20.65	0.212	3.10	5.55	286	41.9	
	1128			15.99	16.21	0.75	1.75	20.84	0.221	2.64	5.65	281	38.5	
	1131			16.21	16.31	0.75	2.50	20.90	0.226	2.31	5.72	291	35.3	
	1134			16.31	16.36	0.75	3.25	20.93	0.228	2.09	5.71	203	30.9	
	1137			16.36	16.42	0.75	4.00	21.00	0.229	1.99	5.82	175	22.9	V
	1140			16.42	16.95	0.75	4.75	20.95	0.229	1.93	5.86	145	16.2	
	1143			16.95	16.95	0.75	5.50	20.95	0.221	1.87	5.84	128	17.6	Collect Sample
	1146			16.95	16.97	0.75	6.25	21.00	0.222	1.93	5.85	114	8.98	

Circle the date and time that the development criteria are met.  
 Comments SAMPLED AT 149

Developer's Signature(s) [Signature] Date 04/09/08 Reviewer \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number 16-6

Page 1 of 1

Project Name West Point Homes, Inc. Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Name Clemson Plant Cost Code \_\_\_\_\_  
 Site Address 500 West Cherry Road, Clemson, SC

**Water Volume Calculation** (2"=0.1632, 4"=0.6528) Serial No. (If applicable)  
 1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) 25' (Clear) Temperature Meter Quantz  
 Initial Depth to Water (feet) 13.35' Conductivity Meter \_\_\_\_\_  
 Height of Water Column in Well (feet) \_\_\_\_\_ FDO Meter \_\_\_\_\_  
 Diameter (inches): Well " \_\_\_\_\_ Gravel Pack \_\_\_\_\_  
 " \_\_\_\_\_

**Development Criteria**  
 3 to 5 Casing Volumes of Water Removal  
 Stabilization of Indicator Parameters  
 Other \_\_\_\_\_

**Methods of Development**

Pump  
 Centrifugal  Bottom Valve  
 Submersible  Double Check Valve  
 Peristaltic  Stainless-steel Kemmerer

Whale  Grundfos  Bladder  \_\_\_\_\_

Item	Water Volume In Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

**Instruments**  
 Temperature Meter  
 Conductivity Meter  
 FDO Meter  
 pH Meter  
 ORP Meter  
 Turbidity Meter

Water Disposal: On Ground

gallon to liter conversion (x3.8) = 7.2 Liters

## Water Removal Data

Date	Time	Development Method	Pump	Removal Rate (Liters/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Temp (°C)	Conductivity (µS/cm) (ppm)	Dissolved Oxygen (mg/L)	pH	ORP (mV/ohm)	Turbidity (NTU)	Comments
							Incremental	Cumulative							
04/09/08	1536	x		0.25	23'		0								
	1537					13.45	0.25	0.25	22.54	0.203	4.00	5.17	187	34.3	Start purging
	1541					13.47	1.00	1.25	22.39	0.221	3.59	4.82	217	10.62	
	1545					13.48	1.00	2.25	22.38	0.240	3.52	4.63	248	8.82	
	1549					13.48	1.00	3.25	22.34	0.260	3.52	4.38	254	7.64	
	1553					13.49	1.00	4.25	22.35	0.267	3.47	4.46	265	6.03	
	1557					13.48	1.00	5.25	22.37	0.270	3.40	4.33	268	7.59	
															Collect Sample

Circle the date and time that the development criteria are met.  
 Comments SAMPLE @ 1600

Developer's Signature(s) [Signature] Date 04/09/08 Reviewer \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number UGB-1

Page 1 of 1

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_  
 Site Name Clemson Plant

**Development Criteria**  
 3 to 5 Casing Volumes of Water Removal  
 Stabilization of Indicator Parameters  
 Other \_\_\_\_\_

**Water Volume Calculation** (2"=0.1632, 4"=0.6528)  
 1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) 29' (Chauf)  
 Initial Depth to Water (feet) 19.78'  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well \_\_\_\_\_ Gravel Pack \_\_\_\_\_

**Methods of Development**  
 Pump  
 Centrifugal  
 Submersible  
 Peristaltic  
 Whale  
 Grundfos  
 Bladder

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

Bailor  
 Bottom Valve  
 Double Check Valve  
 Stainless-steel Kemmerer  
 Whale  
 Grundfos  
 Bladder

gallon to liter conversion (3.8) = 5.1 Liters

**Instruments**  
 Temperature Meter  
 Conductivity Meter  
 DO Meter  
 pH Meter  
 ORP Meter  
 Turbidity Meter

Serial No. (if applicable) Quanta

Water Disposal: On Ground

## Water Removal Data

Date	Time	Development Method	Pump	Bailer	Removal Rate (liters/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)	Product Volume Removed (Liters)	Temp (°C)	Conductivity (µs/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mVols)	Turbidity (<10 NTUs)	Comments	
																	Increment
04/01/08	1637		x		0.25	27.0'		0									
	1638					20.95	0.25	0.25		23.04	0.969	4.59	5.00	154	35.0		Start purging
	1642					21.31	1.00	1.25		23.38	0.882	3.75	5.83	125	45.2		
	1646					21.74	1.00	2.25		23.29	0.768	2.87	6.01	135	60.4		
	1650					22.15	1.00	3.25		23.29	0.712	2.26	5.98	82	80.4		
	1654					22.50	1.00	4.25		23.38	0.685	1.91	5.82	68	33.5		
	1658					22.71	1.00	5.25		23.36	0.662	1.77	5.73	79	36.4		
	1702					22.94	1.00	6.25		23.44	0.642	1.69	5.71	99	24.2		
	1706					23.09	1.00	7.25		23.43	0.643	1.80	5.62	115	24.9		Collect Sample

Circle the date and time that the development criteria are met.  
 Comments SAMPLED @ 1709

Developer's Signature(s) \_\_\_\_\_ Date 1/1 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number LF 2-2

Page 1 of 1

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_  
 Site Name Clemson Plant

### Development Criteria

- 3 to 5 Casing Volumes of Water Removal
- Stabilization of Indicator Parameters
- Other \_\_\_\_\_

### Water Volume Calculation (2"=0.1632, 4"=0.6528)

1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) 30.5' 22.85' (Count)  
 Initial Depth to Water (feet) 23.13'  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well " \_\_\_\_\_ Gravel Pack \_\_\_\_\_

### Instruments

- Temperature Meter Quanta
- Conductivity Meter \_\_\_\_\_
- DO Meter \_\_\_\_\_
- pH Meter \_\_\_\_\_
- ORP Meter \_\_\_\_\_
- Turbidity Meter La Motte

Water Disposal: On Ground

### Methods of Development

- Pump \_\_\_\_\_
- Centrifugal \_\_\_\_\_
- Submersible \_\_\_\_\_
- Peristaltic \_\_\_\_\_
- Whale \_\_\_\_\_
- Grundfos \_\_\_\_\_
- Bladder \_\_\_\_\_

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

gallon to liter conversion (x3.8) = \_\_\_\_\_ Liters

### Water Removal Data

Date	Time	Development Method	Pump Stroke	Removal Rate (liters/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (liters)	Product Volume (removed) (liters)	Conductivity (ms/cm) (ppm)	Dissolved Oxygen (mg/L)	pH	ORP (mVols)	Turbidity (cpd/ntu)	Comments
09/10/06	1353	x		0.25	29.5'		0							Start purging
	1354					25.92	0.25		20.82	0.556	3.94	3.25	413	85H
	1356					26.54	0.50		19.70	0.562	3.56	3.02	416	284
	1358					27.60	0.50		19.21	0.570	3.58	3.01	418	231
	1400					28.57	0.50		19.53	0.558	2.99	3.02	417	160
	1402					28.97	0.50		19.13	0.558	2.79	3.07	416	112
	1404					28.97	0.50		19.46	0.550	2.94	2.99	419	115
	1406					28.97	0.50		20.17	0.506	3.06	2.99	406	111
	1425								19.97	0.512	2.97	3.17	405	Well water @ 1408
														Collect Sample

Circle the date and time that the development criteria are met.

Comments SAMPLED @ 1448

Developer's Signature(s) [Signature]

Dated 9/10/06 Reviewer \_\_\_\_\_

Date \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number LF 2-4

Page 1 of 1

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_  
 Site Name Clemson Plant

## Development Criteria

- 3 to 5 Casing Volumes of Water Removal
- Stabilization of Indicator Parameters
- Other \_\_\_\_\_

## Methods of Development

- Pump
- Centrifugal
- Submersible
- Peristaltic
- Whale
- Bladder
- Bottom Valve
- Double Check Valve
- Stainless-steel Kemmerer
- Grundfos
- Bladder

## Water Volume Calculation

(2"=0.1632, 4"=0.6528)  
 1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) 30.00  
 Initial Depth to Water (feet) 23.19  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well " Gravel Pack \_\_\_\_\_

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

## Instruments

- Temperature Meter
- Conductivity Meter
- DO Meter
- pH Meter
- ORP Meter
- Turbidity Meter

Water Disposal: On Ground

gallon to liter conversion (3.8) = \_\_\_\_\_ Liters

## Water Removal Data

Date	Time	Development Method	Removal Rate (L/min)	Inlet Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Temp (°C)	Conductivity (µS/cm (ppm))	Dissolved Oxygen (mg/L)	pH	ORP (mVols)	Turbidity (NTU)	Comments	
						Incremental	Cumulative								
04/10/08	1252	x	0.25	29.0'		0									
	1253				26.01'	0.25		19.24	0.074	5.35	2.68	463	30.7		Start purging
	1255				26.97	0.50		19.32	0.041	3.37	2.51	465	29.7		
	1257				27.68	0.50		19.34	0.013	3.68	2.99	470	24.4		
	1259				28.25	0.50		19.30	0.089	4.88	2.61	479	22.4		
	1301				28.26	0.50		18.87	0.157	3.91	2.63	466	27.0		
	1303				28.27	0.50		18.70	0.164	5.18	2.65	468	24.7		
	1305				28.25	0.50		18.84	0.166	5.55	2.78	463	23.4		
	1307				28.25	0.50		18.67	0.166	5.70	2.83	457	21.6		Collect Sample
	1309				28.25	0.50		18.72	0.166	5.83	2.86	456			

Circle the date and time that the development criteria are met.  
 Comments SAMPLED @ 1312

Developer's Signature(s) [Signature] Date 04/10/08 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number LF 2-5

Page 1 of 1

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_  
 Site Name Clemson Plant

## Development Criteria

- 3 to 5 Casing Volumes of Water Removal  
 Stabilization of Indicator Parameters  
 Other \_\_\_\_\_

## Methods of Development

- Pump**  
 Centrifugal  
 Submersible  
 Peristaltic  
 Whale  
 Grundfos  
 Bladder
- Boiler**  
 Bottom Valve  
 Double Check Valve  
 Stainless-steel Kemmerer  
 Groundfos  
 Bladder

## Water Volume Calculation (2"=0.1632, 4"=0.6528)

1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) 31'  
 Initial Depth to Water (feet) 24.65  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well " \_\_\_\_\_ Gravel Pack \_\_\_\_\_

Item	Cubic Feet	Gallons	Gal/ft of Water Column	Gal/ft of Gravel Pack
Well Casing				
Gravel Pack				
Drilling Fluids				
Total				

## Instruments

- Temperature Meter  
 Conductivity Meter  
 DO Meter  
 pH Meter  
 ORP Meter  
 Turbidity Meter
- Serial No. (if applicable) Quanta  
V  
La Morte

Water Disposal: On Ground

gallon to liter conversion (3.78) = 3.9 Liters

## Water Removal Data

Date	Time	Development Method	Pump	Rate	Removal Rate (liters/min)	Inch Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Temp (°C)	Conductivity (µS/cm)	Dissolved Chlorine (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments	
								Incremental	Cumulative								
11/10/08	1117		x		0.25	30'		0									
	1118						27.70	0.25	0.25	16.84	0.331	3.05	3.37	418	234		Start purging
	1122						29.29	1.00	1.25	16.61	0.248	3.07	3.41	423	334		
	1126						29.36	1.00	2.25	16.96	0.249	3.67	2.98	437	121		Well Went Dry
	1129																
	1142						28.05	1.00	3.25	16.34	0.260	2.47	3.29	436	47.3		Post recharge
Restart	1223						27.54	0.25	4.00	16.64	0.375	3.70	3.07	408	622		Well Went Dry Again
	1225						29.81	0.50	4.50	16.74	0.378	2.87	3.32	414			Collect Sample

Circle the date and time that the development criteria are met.

Comments STARTED 1230

Developer's Signature(s) [Signature] Date 04/10/08 Reviewer \_\_\_\_\_



# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number LF 2-28

Page 1 of 1

Project Name West Point Homes, Inc  
Client Company WPH, Inc.

Project Manager D. Markley

Project No. 62403248

Cost Code \_\_\_\_\_

Site Name Clemson Plant

Site Address 500 West Cherry Road, Clemson, SC

## Development Criteria

- 3 to 5 Casing Volumes of Water Removal  
 Stabilization of Indicator Parameters  
 Other \_\_\_\_\_

## Water Volume Calculation (2"=0.1632, 4"=0.6528)

1"=0.041, 1.5"=0.092  
Initial Depth of Well (feet) 35' (12ft)  
Initial Depth to Water (feet) 28.98'  
Height of Water Column in Well (feet) \_\_\_\_\_  
Diameter (inches): Well " Gravel Pack

## Instruments

- Serial No. (if applicable) \_\_\_\_\_  
 Temperature Meter Quanta  
 Conductivity Meter \_\_\_\_\_  
 DO Meter \_\_\_\_\_  
 pH Meter \_\_\_\_\_  
 ORP Meter Le Mathe 1.5  
 Turbidity Meter \_\_\_\_\_

Water Disposal: On Ground.

## Methods of Development

- Pump  
 Bailer  
 Centrifugal  
 Bottom Valve  
 Submersible  
 Double Check Valve  
 Peristaltic  
 Stainless-steel Kemmerer  
 Whale  
 Grundfos  
 Bladder  
 \_\_\_\_\_

Item	Water Volume in Well		Gallons to be Removed	
	Cubic Feet	Gallons	Cubic Feet	Gallons
Well Casing				
Gravel Pack				
Drilling Fluids				
Total				

gallon to liter conversion (x3.8) = 31.7 Liters

## Water Removal Data

Date	Time	Development Method	Pump	Removal Rate (liters/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Temp (°C)	Conductivity (ms/cm @ 25°C)	Dissolved Oxygen (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Comments
							Increment	Cumulative							
04/10/08	1015	x		0.25	340'	-	0	0	-	-	-	-	-	-	Start purging
	1016					29.86	0.25	0.25	16.62	0.673	4.88	4.50	392	87.5	Clear
	1020					30.02	1.00	1.25	16.94	0.910	5.56	3.90	415	364	
	1024					30.53	1.00	2.25	16.52	0.685	4.91	3.68	443	50.4	
	1028					30.84	1.00	3.25	16.35	0.554	3.99	3.53	448	39.3	
	1032					31.2	1.00	4.25	16.35	0.583	3.67	3.50	455	42.1	
	1036					31.6	1.00	5.25	16.77	0.633	3.77	3.56	455	40.6	
															Collect Sample

Circle the date and time that the development criteria are met.

Comments SMW Well @ 1040

Developer's Signature(s) [Signature] Date 04/10/08 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number LF 2-9

Page 1 of 1  
Project No. 62403248  
Cost Code \_\_\_\_\_

Project Manager D. Markley

Site Address 500 West Cherry Road, Clemson, SC

## Development Criteria

- 3 to 5 Casing Volumes of Water Removal
- Stabilization of Indicator Parameters
- Other \_\_\_\_\_

## Methods of Development

- Pump
- Centrifugal
- Submersible
- Peristaltic
- Whale
- Grundfos
- Bladder
- Bailor
- Bottom Valve
- Double Check Valve
- Stainless-steel Kemmerer

## Water Volume Calculation

(2"=0.1632, 4"=0.6528)  
1"=0.041, 1.5"=0.092  
Initial Depth of Well (feet) 27' (Chart)  
Initial Depth to Water (feet) 24.03'  
Height of Water Column in Well (feet) \_\_\_\_\_  
Diameter (inches): Well " Gravel Pack \_\_\_\_\_

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

## Instruments

- Temperature Meter
- Conductivity Meter
- DO Meter
- pH Meter
- ORP Meter
- Turbidity Meter

Water Disposal: On Ground

gallon to liter conversion (x3.8) = 1.8 Liters

## Water Removal Data

Date	Time	Development Method	Flow Rate (L/min)	Removal Rate (L/min)	Ending Water Depth (feet)	Starting Water Depth (feet)	Water Volume Removed (Liters)		Temp (C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Comments
							Increment	Cumulative						
04/10/08	0900	X	0.25	26.0'			0							Start purging
	0903				24.31		0.25	0.25	16.66	0.099	7.17	6.59	90.4	Some water removed
	0905				24.32		0.50	0.75	17.03	0.099	6.89	5.85	253	
	0907				24.34		1.25	1.25	17.07	0.099	6.80	5.17	263	
	0909				24.35		1.75	1.75	17.15	0.098	6.86	5.51	266	
	0911				24.37		2.25	2.25	17.15	0.098	6.81	5.52	267	
	0913				24.38		2.75	2.75	17.15	0.097	6.85	5.49	286	
	0915				24.40		3.25	3.25	17.18	0.096	6.63	5.34	296	
														Collect Sample

Circle the date and time that the development criteria are met.  
Comments SAMPLED @ 0918

Developer's Signature(s) [Signature] Date 04/10/08 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number LF 2-10

Page 1 of 1

Project Name West Point Homes, Inc. Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Name Clemson Plant Cost Code \_\_\_\_\_  
 Site Address 500 West Cherry Road, Clemson, SC

## Development Criteria

- 3 to 5 Casing Volumes of Water Removal  
 Stabilization of Indicator Parameters  
 Other \_\_\_\_\_

## Methods of Development

- Pump  
 Centrifugal  Bottom Valve  
 Submersible  Double Check Valve  
 Peristaltic  Stainless-steel Kemmerer  
 Whale  Grundfos  Bladder

## Water Volume Calculation

(2"=0.1632, 4"=0.6528)  
 1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) 27' (Chart)  
 Initial Depth to Water (feet) 24.32'  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well " Gravel Pack \_\_\_\_\_

Item	Water Volume in Well		Gallons-Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

## Instruments

- Serial No. (if applicable) 2044912  
 Temperature Meter  
 Conductivity Meter  
 DO Meter  
 pH Meter  
 ORP Meter  
 Turbidity Meter

Water Disposal: On Ground.

gallon to liter conversion (x3.8) = 17 Liters

## Water Removal Data

Date	Time	Development Method	Pump	Removal Rate (lit/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Temp (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/l)	pH	Color (in/wh)	Turbidity (SP NTU)	Comments	
							Increment	Cumulative								
09/10/08	0935	X		0.25	26.0'		0									
	0936					25.34'	0.25	0.25	17.23	0.576	6.86	5.77	268	83.0	Start purging	Cloudy
	0938					25.76'	0.50	0.75	17.20	0.578	6.75	5.43	285	70.1		
	0940					26.15'	0.50	1.25	17.19	0.577	6.61	5.38	286	73.8		
	0942					26.51'	0.50	1.75	17.24	0.587	6.76	5.33	289	74.7		
	0944					26.76'	0.50	2.25	17.16	0.594	6.80	5.37	297	73.9		
	0946					27.25'	0.50	2.75	17.18	0.603	6.67	5.24	304	45.3		
	0948					27.55'	0.50	3.25	17.15	0.610	6.64	5.24	312	50.5		
																Collect Sample

Circle the date and time that the development criteria are met.

Comments SAMPLED 0950

Developer's Signature(s) [Signature] Date 09/10/08 Reviewer \_\_\_\_\_

Development  
 Purging

# WELL DEVELOPMENT AND PURGING DATA

Well Number LF 2-11

Page 1 of 1

Project Name West Point Homes, Inc Project Manager D. Markley Project No. 62403248  
 Client Company WPH, Inc. Site Address 500 West Cherry Road, Clemson, SC Cost Code \_\_\_\_\_  
 Site Name Clemson Plant

## Development Criteria

- 3 to 5 Casing Volumes of Water Removal
- Stabilization of Indicator Parameters
- Other \_\_\_\_\_

## Water Volume Calculation

(2"=0.1632, 4"=0.6528)  
 1"=0.041, 1.5"=0.092  
 Initial Depth of Well (feet) 25  
 Initial Depth to Water (feet) 18.40  
 Height of Water Column in Well (feet) \_\_\_\_\_  
 Diameter (inches): Well \_\_\_\_\_ Gravel Pack \_\_\_\_\_

## Methods of Development

- Pump
- Centrifugal
- Submersible
- Peristaltic
- Whale
- Bladder
- Bottom Valve
- Double Check Valve
- Stainless-steel Kemmerer
- Grundfos
- Bladder

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing			
Gravel Pack			
Drilling Fluids			
Total			

## Instruments

- Temperature Meter
- Conductivity Meter
- DO Meter
- pH Meter
- ORP Meter
- Turbidity Meter

Water Disposal: On Ground

gallon to liter conversion (x3.8) = 40 Liters

## Water Removal Data

Date	Time	Development Method	Pump	Rate (liters/min)	Removal Rate (liters/min)	Stroke Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (liters)		Temp (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/l)	pH	ORP (mVolts)	Turbidity (NTU)	Comments	
								Incremental	Cumulative								
01/10/02	1520	x		0.25	24'			0	0.25								
	1521					18.54	18.54	0.25	0.25	18.12	0.035	7.95	5.77	386	205		Start purging
	1522					18.54	18.54	0.50	0.75	17.76	0.037	6.93	3.45	377	166		Very average to below
	1525					18.55	18.55	0.50	1.25	17.66	0.038	6.69	3.43	384	100.9		
	1529					18.57	18.57	1.00	2.25	17.58	0.043	6.34	3.14	392	43.1		Clear
	1533					18.55	18.55	1.00	3.25	17.64	0.045	6.33	3.14	398	23.2		
	1537					18.55	18.55	1.00	4.25	17.55	0.046	6.30	3.41	408	16.8		
	1541					18.56	18.56	1.00	5.25	17.58	0.045	6.26	3.38	416	10.28		
																	Collect Sample

Circle the date and time that the development criteria are met.  
 Comments SAMPLED @ 1544

Developer's Signature(s) [Signature] Date 04/10/08 Reviewer \_\_\_\_\_



# Field Report

Date: 6-5-08

Project Name: West Point Homes, Inc.

Project #: 62403248

Project Manager: D. Markley

Cost Code: \_\_\_\_\_

Client Company: WPH, Inc.

Personnel (print): JHF/John Foster

Site: 500 W. Cherry Road, WPS Plant, Clemson, SC

Role on Project: Field Tech

TIME OBSERVATION

Page 1 of \_\_\_\_\_

0900 JHF onsite.

0955 Mike is loading trucks, JHF going to start collecting wells.

1042 Dale called, He talked about collecting the following samples:  
FOC and TOD - call Dale to discuss (Accutest).

He wants Mike to be taking PID readings from the trucks leaving the site.

1050 Start puging MW-5.

1111 Sample MW-5 for VOCs.

1145 Collected soil sample from Pit 3 area. PID was 3081 ppm. ND on the chaper tubes. The soil was mostly sand.

1255 Start puging MW-2.

1311 Collected VOC sample from MW-2.

1338 Start puging MW-1.

1354 Sample MW-1 for VOCs.

1415 Mike is digging in Test pit 8. Bucket from about 5' bgs shows no hits on the PID.

1458 Start puging MW-4.

1519 Sample MW-4 for VOCs.

1650 JHF offsite.

Signature: \_\_\_\_\_

Reviewed by: \_\_\_\_\_

Date: \_\_\_\_\_





# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number MW-5  
Serial No. WDPD-

Page 1 of 1

Project Name West Point Homes, Inc.  
Project No. 62403248

Client Company WPH, Inc  
Project Manager Dale Mackley

Site Name WPS Plat  
Site Address Clemson, SC  
Cost Code \_\_\_\_\_

### Development Criteria

- 3 to 5 Casing Volumes of Water Removal
- Stabilization of Indicator Parameters
- Purge 1 well volume minimum. Goal = Turbidity  $\leq 10$

### Water Volume Calculation

( $2''=0.1632$ ,  $4''=0.6528$ )  
 Initial Depth of Well (feet) 17.28 @ 1024  
 Initial Depth to Water (feet) 19.62  
 Height of Water Column in Well (feet) 2.34  
 Diameter (inches): Well 4" Gravel Pack N/A

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing		<u>0.095</u>	
Gravel Pack			
Drilling Fluids			
Total			<u>3.04</u>

gallon to liter conversion (x3.8) = 0.36 Liters

### Instruments

- Temperature Meter Hanna
- Conductivity Meter
- DO Meter
- pH Meter
- ORP Meter
- Turbidity Meter NA

Water Disposal: Stored on Site

### Water Removal Data

Date	Time	Development Method		Removal Rate (liter/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Temp (°C)	Conductivity (ns/cm) (ppm)	Dissolved Oxygen (mg/L)	pH	ORP (mVolts)	Turbidity (<10 NTUs)	Comments
		Pump	Bailer				Increment	Cumulative							
<u>6-5-08</u>	<u>1050</u>	X		<u>0.152</u>	<u>19.25</u>	<u>19.20</u>	-	<u>0</u>	-	-	-	-	-	-	Start purging
	<u>1055</u>	X		<u>0.152</u>	<u>19.25</u>	<u>19.20</u>	<u>1</u>	<u>0.20</u>	<u>24.11</u>	<u>0.107</u>	<u>5.64</u>	<u>4.96</u>	<u>197.6</u>	<u>1</u>	
	<u>1100</u>	X		<u>0.152</u>	<u>19.25</u>	<u>19.20</u>	<u>2</u>	<u>0.40</u>	<u>27.18</u>	<u>0.106</u>	<u>5.52</u>	<u>4.87</u>	<u>220.6</u>	<u>1</u>	
	<u>1105</u>	X		<u>0.152</u>	<u>19.25</u>	<u>19.20</u>	<u>3</u>	<u>0.60</u>	<u>26.82</u>	<u>0.103</u>	<u>5.58</u>	<u>4.85</u>	<u>230.3</u>	<u>1</u>	
	<u>1110</u>	X		<u>0.152</u>	<u>19.25</u>	<u>19.20</u>	<u>4</u>	<u>3.04</u>	<u>26.91</u>	<u>0.101</u>	<u>5.46</u>	<u>4.83</u>	<u>239.9</u>	<u>1</u>	
	<u>1111</u>														<u>JHF 6-5-08</u> Collect Sample

Circle the date and time that the development criteria are met.

Comments Turbidity is on a 1-4 scale. 1 is clean and 4 is very turbid.

^ Final Turbidity taken with filter.

JHF

Developer's Signature(s)  
Form A0101 Rev. 10/6/94

Date 6/5/08

Reviewer \_\_\_\_\_

Date \_\_\_\_\_









# WELL DEVELOPMENT AND PURGING DATA

Development  
 Purging

Well Number MW-4

Serial No. WDPD-        

Page 1 of 1

Project Name West Point Home, Inc

Project Manager D. Markley

Project No. 62403248

Client Company WPH, Inc

Cost Code         

Site Name WPS Plant

Site Address Clemson, SC

### Development Criteria

- 3 to 5 Casing Volumes of Water Removal
- Stabilization of Indicator Parameters
- Purge 1 well volume minimum. Goal = Turbidity  $\leq 10$

### Water Volume Calculation

Serial No. (if applicable) Hanna

Initial Depth of Well (feet) 18.24 @ 145.5

Initial Depth to Water (feet) 19.96

Height of Water Column in Well (feet) 1.72

Diameter (inches): Well 2" Gravel Pack

### Instruments

- Temperature Meter
- Conductivity Meter
- DO Meter
- pH Meter
- ORP Meter
- Turbidity Meter

### Methods of Development

- Pump
- Centrifugal
- Peristaltic
- Whale
- Bailor
- Bottom Valve
- Submersible
- Double Check Valve
- Stainless-steel Kemmerer
- Grundfos
- Bladder

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing	-	0.2807	
Gravel Pack	-	-	
Drilling Fluids	-	-	
Total	-	-	

Water Disposal: Stored on Site

gallon to liter conversion (x3.8) = 1.090 Liters

### Water Removal Data

Date	Time	Development Method	Removal Rate (liter/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (Liters)		Temp (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/l)	pH	ORP (mVolts)	Turbidity (c10 NTUs)	Comments	
						Increment	Cumulative								
6-5-08	1458	X	0.076	19.80	-	-	0	-	-	-	-	-	-	-	-
	1503	X	0.076	19.80	19.05	0.38	0.38	22.30	0.142	7.81	3.86	222.4	2	-	-
	1508	X	0.076	19.80	19.40	0.38	0.76	23.13	0.145	7.28	4.06	208.2	1	-	-
	1513	X	0.076	19.80	19.72	0.38	1.14	21.97	0.140	7.41	4.04	212.2	2	-	-
	1518	X	0.076	19.80	19.74	0.38	1.52	21.99	0.151	7.39	4.01	208.1	1	-	-
	1519														

Circle the date and time that the development criteria are met.

Comments Turbidity is on 1-4 scale, 1 is clear and 4 is Very Turbid.

<sup>A</sup> Final Turbidity taken with filter.

*[Signature]*

Developer's Signature(s)

Date 6/5/08

Reviewer         

Date

CLIENT: PSC - WPH, Inc Date: 6-5-08

**CONDUCTIVITY METER CALIBRATION EPA METHOD 9050A**  
**Hanna HI 9828/20-01 Multi Meter Serial # 679203**

Time: 0730 Analyst: JHF

Calibrated to 1400 uS/cm standard

07-12-24 xp. 11-2012 CONC. OF STD #1: 1400 umhos/cm AT 25 °C ACTUAL READING: 1404 umhos/cm AT 24.9 °C

CONC. OF STD #2: \_\_\_\_\_ umhos/cm AT 25 °C ACTUAL READING: \_\_\_\_\_ umhos/cm AT \_\_\_\_\_ °C

CONC. OF STD #3: \_\_\_\_\_ umhos/cm AT 25 °C ACTUAL READING: \_\_\_\_\_ umhos/cm AT \_\_\_\_\_ °C

Separate Source Standard #4 \_\_\_\_\_ umhos/cm AT 25 °C ACTUAL READING: \_\_\_\_\_ umhos/cm AT \_\_\_\_\_ °C

**pH METER CALIBRATION EPA METHOD 9040B**

Time: 0735 Analyst: JHF

READING OF 7.00 BUFFER    READING OF 4.00 BUFFER    READING OF 10.00 BUFFER    Separate Source Standard (7.00)

6.97    4.03    10.05    6.95

CIN    07-10-19    07-10-35    07-10-36    07-09-02

**ORP Calibration**

Time: 0740 Analyst: JHF

Std: 220 @ 25 °C    Actual Reading: 219 mV at 24.8 °C  
 CIN 07-11-47 EXP:4-08

**Dissolved Oxygen Calibration EPA 360.1**

Time: 0742 Analyst: JHF

mmHG: 770.5    Reading: 8.10

**Mid-day Reading of Calibration Standards:** pH Buffer: \_\_\_\_\_ Actual Reading: \_\_\_\_\_

**Conductivity Standard:** \_\_\_\_\_ 25°C Actual Reading: \_\_\_\_\_

**End of Day Reading of Calibration Standards:** pH Buffer: 7.0 Actual Reading: 6.99

**Conductivity Standard:** 1400 25°C Actual Reading: 1450

**Sample Meter Reading Duplicate (after 10 wells or last well of the day)**

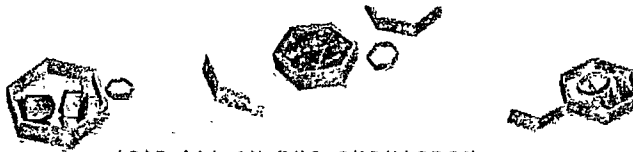
Well ID MW-4    Conductivity 0.151 ms/cm

pH 4.01    Temperature 21.99

Not Read

**Attachment 2**

**April-June 2008 Lab Results  
WestPoint Home  
Clemson, South Carolina**



IT'S ALL IN THE CHEMISTRY

06/09/08



## Technical Report for

Philip Environmental Services Corp.

West Point Home: Clemson, SC

62403248

Accutest Job Number: F56833

Sampling Dates: 04/08/08 - 04/09/08

### Report to:

Philip Environmental Services Corp.

dsandheinrich@pscnow.com

ATTN: Damian Sandheinrich

Total number of pages in report: 54



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

*Harry Behzadi*  
Harry Behzadi, Ph.D.  
Laboratory Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.

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## Sample Summary

Philip Environmental Services Corp.

Job No: F56833

West Point Home: Clemson, SC  
Project No: 62403248

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F56833-1	04/08/08	11:52 DPS	04/11/08	AQ	Ground Water	W-10 AID
F56833-1A	04/08/08	11:52 DPS	04/11/08	AQ	Groundwater Filtered	MW-10 AID
F56833-2	04/08/08	12:37 DPS	04/11/08	AQ	Ground Water	MW-10 AIS
F56833-2A	04/08/08	12:37 DPS	04/11/08	AQ	Groundwater Filtered	MW-10 AIS
F56833-3	04/08/08	13:57 DPS	04/11/08	AQ	Ground Water	BR-2
F56833-3A	04/08/08	13:57 DPS	04/11/08	AQ	Groundwater Filtered	BR-2
F56833-4	04/08/08	14:39 DPS	04/11/08	AQ	Ground Water	DG-2
F56833-4A	04/08/08	14:39 DPS	04/11/08	AQ	Groundwater Filtered	DG-2
F56833-5	04/08/08	15:12 DPS	04/11/08	AQ	Ground Water	DG-4
F56833-5A	04/08/08	15:12 DPS	04/11/08	AQ	Groundwater Filtered	DG-4
F56833-6	04/08/08	16:10 DPS	04/11/08	AQ	Ground Water	MG-3
F56833-6A	04/08/08	16:10 DPS	04/11/08	AQ	Groundwater Filtered	MG-3
F56833-7	04/08/08	00:00 DPS	04/11/08	AQ	Ground Water	DUP-1



### Sample Summary (continued)

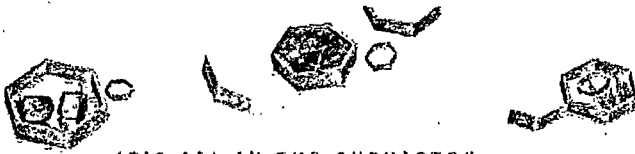
Philip Environmental Services Corp.

Job No: F56833

West Point Home: Clemson, SC  
Project No: 62403248

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
F56833-7A	04/08/08	00:00 DPS	04/11/08	AQ Groundwater Filtered	DUP-1
F56833-8	04/09/08	10:08 DPS	04/11/08	AQ Ground Water	MW-13
F56833-8A	04/09/08	10:08 DPS	04/11/08	AQ Groundwater Filtered	MW-13
F56833-9	04/09/08	10:53 DPS	04/11/08	AQ Ground Water	MG-4
F56833-9A	04/09/08	10:53 DPS	04/11/08	AQ Groundwater Filtered	MG-4





IT'S ALL IN THE CHEMISTRY

**Sample Results**

---

**Report of Analysis**

---

## Report of Analysis

Client Sample ID: W-10 AID

Lab Sample ID: F56833-1

Date Sampled: 04/08/08

Matrix: AQ - Ground Water

Date Received: 04/11/08

Method: SW846 8260B

Percent Solids: n/a

Project: West Point Home: Clemson, SC

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054922.D	100	04/18/08	LD	n/a	n/a	VC2222
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2500	1000	ug/l	
71-43-2	Benzene	ND	100	20	ug/l	
75-27-4	Bromodichloromethane	ND	100	29	ug/l	
75-25-2	Bromoform	ND	100	28	ug/l	
108-90-7	Chlorobenzene	ND	100	20	ug/l	
75-00-3	Chloroethane	ND	200	46	ug/l	
67-66-3	Chloroform	ND	100	21	ug/l	
75-15-0	Carbon disulfide	ND	200	20	ug/l	
56-23-5	Carbon tetrachloride	ND	100	29	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	23	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	20	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	25	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	ND	100	20	ug/l	
591-78-6	2-Hexanone	ND	1000	290	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	220	ug/l	
74-83-9	Methyl bromide	ND	200	54	ug/l	
74-87-3	Methyl chloride	ND	200	38	ug/l	
75-09-2	Methylene chloride	ND	500	100	ug/l	
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	25	ug/l	
100-42-5	Styrene	ND	100	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	30	ug/l	
127-18-4	Tetrachloroethylene	4640	100	25	ug/l	
108-88-3	Toluene	ND	100	27	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

Page 2 of 2

<b>Client Sample ID:</b> W-10 AID	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-1	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	100	38	ug/l	
75-69-4	Trichlorofluoromethane	ND	200	43	ug/l	
75-01-4	Vinyl chloride	ND	100	34	ug/l	
1330-20-7	Xylene (total)	ND	300	56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	111%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> W-10 AID	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-1	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	<300	300	ug/l	1	04/15/08	04/15/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

- (1) Instrument QC Batch: MA6397
- (2) Prep QC Batch: MP14205

---

RL = Reporting Limit



## Report of Analysis

<b>Client Sample ID:</b> W-10 AID	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-1	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sulfate	13.7	2.0	mg/l	1	04/22/08 02:03	MV	EPA 300/SW846 9056
Total Organic Carbon	12.6	1.0	mg/l	1	04/19/08 01:56	CP	SM19 5310B/SW 9060A

RL = Reporting Limit



## Report of Analysis

<b>Client Sample ID:</b> MW-10 AID	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-1A	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	< 300	300	ug/l	1	04/18/08	04/18/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6403

(2) Prep QC Batch: MP14225

---

RL = Reporting Limit

### Report of Analysis

<b>Client Sample ID:</b> MW-10 AIS	
<b>Lab Sample ID:</b> F56833-2	<b>Date Sampled:</b> 04/08/08
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 04/11/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054923.D	20	04/18/08	LD	n/a	n/a	VC2222
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	200	ug/l	
71-43-2	Benzene	ND	20	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	20	5.8	ug/l	
75-25-2	Bromoform	ND	20	5.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.0	ug/l	
75-00-3	Chloroethane	ND	40	9.2	ug/l	
67-66-3	Chloroform	ND	20	4.2	ug/l	
75-15-0	Carbon disulfide	ND	40	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	4.6	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	4.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	5.6	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.8	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	4.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	ND	20	4.0	ug/l	
591-78-6	2-Hexanone	ND	200	57	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	44	ug/l	
74-83-9	Methyl bromide	ND	40	11	ug/l	
74-87-3	Methyl chloride	ND	40	7.6	ug/l	
75-09-2	Methylene chloride	ND	100	20	ug/l	
78-93-3	Methyl ethyl ketone	ND	100	40	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	5.0	ug/l	
100-42-5	Styrene	ND	20	4.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	7.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	6.0	ug/l	
127-18-4	Tetrachloroethylene	974	20	5.0	ug/l	
108-88-3	Toluene	ND	20	5.4	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> MW-10 AIS	
<b>Lab Sample ID:</b> F56833-2	<b>Date Sampled:</b> 04/08/08
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 04/11/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	20	7.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	8.6	ug/l	
75-01-4	Vinyl chloride	ND	20	6.8	ug/l	
1330-20-7	Xylene (total)	ND	60	11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	112%		84-120%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



### Report of Analysis

<b>Client Sample ID:</b> MW-10 AIS	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-2	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

#### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	906	300	ug/l	1	04/15/08	04/15/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6397

(2) Prep QC Batch: MP14205

RL = Reporting Limit

# Report of Analysis

<b>Client Sample ID:</b> MW-10 AIS	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-2	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sulfate	14.9	2.0	mg/l	1	04/22/08 02:22	MV	EPA 300/SW846 9056
Total Organic Carbon	20.5	1.0	mg/l	1	04/19/08 05:05	CP	SM19 5310B/SW 9060A

RL = Reporting Limit

# Report of Analysis

<b>Client Sample ID:</b> MW-10 AIS	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-2A	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	711	300	ug/l	1	04/18/08	04/18/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6403

(2) Prep QC Batch: MP14225

---

RL = Reporting Limit

## Report of Analysis

Client Sample ID:	BR-2	Date Sampled:	04/08/08
Lab Sample ID:	F56833-3	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B052675.D	1	04/22/08	LD	n/a	n/a	VB2210
Run #2	C054924.D	2	04/18/08	LD	n/a	n/a	VC2222

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.32	1.0	0.23	ug/l	J
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	90.5 <sup>a</sup>	2.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BR-2	Date Sampled: 04/08/08
Lab Sample ID: F56833-3	Date Received: 04/11/08
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: West Point Home: Clemson, SC	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	0.38	1.0	0.38	ug/l	J
75-69-4	Trichlorofluoromethane	1.2	2.0	0.43	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	108%	76-127%
2037-26-5	Toluene-D8	104%	99%	86-112%
460-00-4	4-Bromofluorobenzene	108%	108%	84-120%

(a) Result is from Run# 2

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> BR-2	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-3	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	< 300	300	ug/l	1	04/15/08	04/15/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6397  
(2) Prep QC Batch: MP14205

RL = Reporting Limit

### Report of Analysis

<b>Client Sample ID:</b> BR-2	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-3	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

#### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sulfate	12.0	2.0	mg/l	1	04/22/08 02:40	MV	EPA 300/SW846 9056
Total Organic Carbon	3.0	1.0	mg/l	1	04/19/08 05:21	CP	SM19 5310B/SW 9060A

RL = Reporting Limit

# Report of Analysis

<b>Client Sample ID:</b> BR-2	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-3A	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	< 300	300	ug/l	1	04/18/08	04/18/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6403

(2) Prep QC Batch: MP14225

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RL = Reporting Limit



## Report of Analysis

Client Sample ID:	DG-2	Date Sampled:	04/08/08
Lab Sample ID:	F56833-4	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054925.D	2	04/18/08	LD	n/a	n/a	VC2222
Run #2	C054940.D	50	04/21/08	LD	n/a	n/a	VC2223

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	219	50	20	ug/l	
71-43-2	Benzene	ND	2.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.58	ug/l	
75-25-2	Bromoform	ND	2.0	0.56	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane	ND	4.0	0.92	ug/l	
67-66-3	Chloroform	ND	2.0	0.42	ug/l	
75-15-0	Carbon disulfide	23.8	4.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.58	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	3.8	2.0	0.46	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.56	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.40	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.40	ug/l	
591-78-6	2-Hexanone	ND	20	5.7	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	4.4	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.1	ug/l	
74-87-3	Methyl chloride	ND	4.0	0.76	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	4.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.50	ug/l	
100-42-5	Styrene	ND	2.0	0.40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.74	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.60	ug/l	
127-18-4	Tetrachloroethylene	1360 <sup>a</sup>	50	13	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	DG-2	Date Sampled:	04/08/08
Lab Sample ID:	F56833-4	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	1.6	2.0	0.76	ug/l	J
75-69-4	Trichlorofluoromethane	ND	4.0	0.86	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.68	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	107%	76-127%
2037-26-5	Toluene-D8	100%	102%	86-112%
460-00-4	4-Bromofluorobenzene	106%	109%	84-120%

(a) Result is from Run# 2

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> DG-2	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-4	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	23800	300	ug/l	1	04/15/08	04/15/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6397

(2) Prep QC Batch: MP14205

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RL = Reporting Limit

### Report of Analysis

<b>Client Sample ID:</b> DG-2	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-4	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

#### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sulfate	22.9	2.0	mg/l	1	04/22/08 02:59	MV	EPA 300/SW846 9056
Total Organic Carbon	27.6	1.0	mg/l	1	04/19/08 04:47	CP	SM19 5310B/SW 9060A

RL = Reporting Limit

# Report of Analysis

<b>Client Sample ID:</b> DG-2	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-4A	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	16400	300	ug/l	1	04/18/08	04/18/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6403

(2) Prep QC Batch: MP14225

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RL = Reporting Limit

## Report of Analysis

Client Sample ID:	DG-4	Date Sampled:	04/08/08
Lab Sample ID:	F56833-5	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054941.D	5	04/21/08	LD	n/a	n/a	VC2223
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	130	50	ug/l	
71-43-2	Benzene	ND	5.0	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.5	ug/l	
75-25-2	Bromoform	ND	5.0	1.4	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	2.3	ug/l	
67-66-3	Chloroform	ND	5.0	1.1	ug/l	
75-15-0	Carbon disulfide	ND	10	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.4	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	11	ug/l	
74-83-9	Methyl bromide	ND	10	2.7	ug/l	
74-87-3	Methyl chloride	ND	10	1.9	ug/l	
75-09-2	Methylene chloride	ND	25	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.3	ug/l	
100-42-5	Styrene	ND	5.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.9	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.5	ug/l	
127-18-4	Tetrachloroethylene	346	5.0	1.3	ug/l	
108-88-3	Toluene	ND	5.0	1.4	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> DG-4		<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-5		<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B		
<b>Project:</b> West Point Home: Clemson, SC		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.0	1.9	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.2	ug/l	
75-01-4	Vinyl chloride	ND	5.0	1.7	ug/l	
1330-20-7	Xylene (total)	ND	15	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> DG-4	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-5	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

#### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	< 300	300	ug/l	1	04/15/08	04/15/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6397  
(2) Prep QC Batch: MP14205

RL = Reporting Limit



### Report of Analysis

<b>Client Sample ID:</b> DG-4	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-5	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

#### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sulfate	39.0	2.0	mg/l	1	04/22/08 03:17	MV	EPA 300/SW846 9056
Total Organic Carbon	20.4	1.0	mg/l	1	04/19/08 05:39	CP	SM19 5310B/SW 9060A

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> DG-4	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-5A	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	< 300	300	ug/l	1	04/18/08	04/18/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6403

(2) Prep QC Batch: MP14225

RL = Reporting Limit

## Report of Analysis

Client Sample ID:	MG-3	Date Sampled:	04/08/08
Lab Sample ID:	F56833-6	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0026719.D	5	04/22/08	MM	n/a	n/a	VM1106
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	130	50	ug/l	
71-43-2	Benzene	ND	5.0	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.5	ug/l	
75-25-2	Bromoform	ND	5.0	1.4	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	2.3	ug/l	
67-66-3	Chloroform	ND	5.0	1.1	ug/l	
75-15-0	Carbon disulfide	ND	10	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.5	ug/l	
75-34-3	1,1-Dichloroethane	1.3	5.0	1.3	ug/l	J
75-35-4	1,1-Dichloroethylene	1.5	5.0	1.2	ug/l	J
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.9	5.0	1.4	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	11	ug/l	
74-83-9	Methyl bromide	ND	10	2.7	ug/l	
74-87-3	Methyl chloride	ND	10	1.9	ug/l	
75-09-2	Methylene chloride <sup>a</sup>	22.3	25	5.0	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	25	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.3	ug/l	
100-42-5	Styrene	ND	5.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.9	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.5	ug/l	
127-18-4	Tetrachloroethylene	366	5.0	1.3	ug/l	
108-88-3	Toluene	ND	5.0	1.4	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> MG-3		<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-6		<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B		
<b>Project:</b> West Point Home: Clemson, SC		

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.0	1.9	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.2	ug/l	
75-01-4	Vinyl chloride	ND	5.0	1.7	ug/l	
1330-20-7	Xylene (total)	ND	15	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

(a) Suspected laboratory contaminant.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> MG-3	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-6	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	10800	300	ug/l	1	04/15/08	04/15/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6397

(2) Prep QC Batch: MP14205

RL = Reporting Limit

### Report of Analysis

<b>Client Sample ID:</b> MG-3	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-6	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

#### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sulfate	19.0	2.0	mg/l	1	04/22/08 03:36	MV	EPA 300/SW846 9056
Total Organic Carbon	19.8	1.0	mg/l	1	04/18/08 17:47	CP	SM19 5310B/SW 9060A

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> MG-3	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-6A	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	9290	300	ug/l	1	04/18/08	04/18/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6403

(2) Prep QC Batch: MP14225

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RL = Reporting Limit

## Report of Analysis

Client Sample ID:	DUP-1	Date Sampled:	04/08/08
Lab Sample ID:	F56833-7	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0026722.D	2	04/22/08	MM	n/a	n/a	VM1106
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	20	ug/l	
71-43-2	Benzene	ND	2.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.58	ug/l	
75-25-2	Bromoform	ND	2.0	0.56	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane	ND	4.0	0.92	ug/l	
67-66-3	Chloroform	ND	2.0	0.42	ug/l	
75-15-0	Carbon disulfide	ND	4.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.58	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.46	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.56	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.40	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.40	ug/l	
591-78-6	2-Hexanone	ND	20	5.7	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	4.4	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.1	ug/l	
74-87-3	Methyl chloride	ND	4.0	0.76	ug/l	
75-09-2	Methylene chloride <sup>a</sup>	5.6	10	2.0	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	10	4.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.50	ug/l	
100-42-5	Styrene	ND	2.0	0.40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.74	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.60	ug/l	
127-18-4	Tetrachloroethylene	104	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	DUP-1	Date Sampled:	04/08/08
Lab Sample ID:	F56833-7	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	2.0	0.76	ug/l	
75-69-4	Trichlorofluoromethane	ND	4.0	0.86	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.68	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	97%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	94%		84-120%

(a) Suspected laboratory contaminant.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> DUP-1	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-7	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

#### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	< 300	300	ug/l	1	04/15/08	04/15/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

- (1) Instrument QC Batch: MA6397
- (2) Prep QC Batch: MP14205

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> DUP-1	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-7	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sulfate	11.8	2.0	mg/l	1	04/22/08 03:54	MV	EPA 300/SW846 9056
Total Organic Carbon	2.5	1.0	mg/l	1	04/18/08 18:04	CP	SM19 5310B/SW 9060A

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> DUP-1	<b>Date Sampled:</b> 04/08/08
<b>Lab Sample ID:</b> F56833-7A	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	< 300	300	ug/l	1	04/18/08	04/18/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6403

(2) Prep QC Batch: MP14225

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RL = Reporting Limit

## Report of Analysis

Client Sample ID:	MW-13	Date Sampled:	04/09/08
Lab Sample ID:	F56833-8	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0026695.D	1	04/21/08	MM	n/a	n/a	VM1105
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	0.98	1.0	0.21	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	3.4	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.78	1.0	0.28	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	31.8	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-13	Date Sampled: 04/09/08
Lab Sample ID: F56833-8	Date Received: 04/11/08
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: West Point Home: Clemson, SC	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	0.64	1.0	0.38	ug/l	J
75-69-4	Trichlorofluoromethane	15.9	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> MW-13	<b>Date Sampled:</b> 04/09/08
<b>Lab Sample ID:</b> F56833-8	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

#### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	< 300	300	ug/l	1	04/15/08	04/15/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6397

(2) Prep QC Batch: MP14205

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RL = Reporting Limit



# Report of Analysis

<b>Client Sample ID:</b> MW-13	<b>Date Sampled:</b> 04/09/08
<b>Lab Sample ID:</b> F56833-8	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sulfate	12.1	2.0	mg/l	1	04/22/08 04:13	MV	EPA 300/SW846 9056
Total Organic Carbon	15.5	1.0	mg/l	1	04/18/08 18:21	CP	SM19 5310E/SW 9060A

RL = Reporting Limit





# Report of Analysis

<b>Client Sample ID:</b> MW-13	<b>Date Sampled:</b> 04/09/08
<b>Lab Sample ID:</b> F56833-8A	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	<300	300	ug/l	1	04/18/08	04/18/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6403

(2) Prep QC Batch: MP14225

RL = Reporting Limit

## Report of Analysis

Page 1 of 2

Client Sample ID:	MG-4	Date Sampled:	04/09/08
Lab Sample ID:	F56833-9	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0026723.D	10	04/22/08	MM	n/a	n/a	VM1106
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	100	ug/l	
71-43-2	Benzene	ND	10	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.9	ug/l	
75-25-2	Bromoform	ND	10	2.8	ug/l	
108-90-7	Chlorobenzene	ND	10	2.0	ug/l	
75-00-3	Chloroethane	ND	20	4.6	ug/l	
67-66-3	Chloroform	ND	10	2.1	ug/l	
75-15-0	Carbon disulfide	ND	20	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.5	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	2.3	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.5	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.8	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	ND	10	2.0	ug/l	
591-78-6	2-Hexanone	ND	100	29	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	22	ug/l	
74-83-9	Methyl bromide	ND	20	5.4	ug/l	
74-87-3	Methyl chloride	ND	20	3.8	ug/l	
75-09-2	Methylene chloride <sup>a</sup>	22.4	50	10	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.5	ug/l	
100-42-5	Styrene	ND	10	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	3.0	ug/l	
127-18-4	Tetrachloroethylene	797	10	2.5	ug/l	
108-88-3	Toluene	ND	10	2.7	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID: MG-4		Date Sampled: 04/09/08
Lab Sample ID: F56833-9		Date Received: 04/11/08
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: West Point Home: Clemson, SC		

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	10	3.8	ug/l	
75-01-4	Vinyl chloride	ND	10	3.4	ug/l	
1330-20-7	Xylene (total)	ND	30	5.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	95%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	93%		84-120%

(a) Suspected laboratory contaminant.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> MG-4	<b>Date Sampled:</b> 04/09/08
<b>Lab Sample ID:</b> F56833-9	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	330	300	ug/l	1	04/15/08	04/15/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA6397

(2) Prep QC Batch: MP14205

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RL = Reporting Limit

### Report of Analysis

<b>Client Sample ID:</b> MG-4	<b>Date Sampled:</b> 04/09/08
<b>Lab Sample ID:</b> F56833-9	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

#### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sulfate	69.6	2.0	mg/l	1	04/22/08 05:08	MV	EPA 300/SW846 9056
Total Organic Carbon	21.1	1.0	mg/l	1	04/18/08 18:39	CP	SM19 5310B/SW 9060A

RL = Reporting Limit

# Report of Analysis

<b>Client Sample ID:</b> MG-4	<b>Date Sampled:</b> 04/09/08
<b>Lab Sample ID:</b> F56833-9A	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Groundwater Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

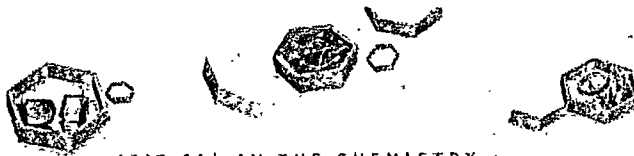
## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	< 300	300	ug/l	1	04/18/08	04/18/08 RS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

- (1) Instrument QC Batch: MA6403
- (2) Prep QC Batch: MP14225

---

RL = Reporting Limit



IT'S ALL IN THE CHEMISTRY



## Misc. Forms

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## Custody Documents and Other Forms

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Includes the following where applicable:

- Certification Exceptions
- Chain of Custody





**ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION**

ACCUTEST'S JOB NUMBER: F56833 CLIENT: PSC PROJECT: CLEMSON WPH  
 DATE/TIME RECEIVED: 04-11-08 1100 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 1.6 1.8  
 METHOD OF DELIVERY:  FEDEX  UPS  ACCUTEST COURIER  GREYHOUND  DELIVERY  OTHER  
 AIRBILL NUMBERS: 863914337974

**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET
- WET ICE RECEIVED IN COOLER

**TRIP BLANK INFORMATION**

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 0  
 NUMBER OF 5035 FIELD KITS ? 0  
 NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: FOR SAMPLE # 9 (MG-4) RECEIVED 1 VIAL (3260) BROKEN.

**SAMPLE INFORMATION**

- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
  - CORRECT NUMBER OF CONTAINERS USED
  - SAMPLE RECEIVED IMPROPERLY PRESERVED
  - INSUFFICIENT VOLUME FOR ANALYSIS
  - TIMES ON COC DOES NOT MATCH LABEL(S)
  - ID'S ON COC DOES NOT MATCH LABEL(S)
  - VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
  - BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
  - NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
  - UNCLEAR FILTERING INSTRUCTIONS
  - UNCLEAR COMPOSITING INSTRUCTIONS
  - SAMPLE CONTAINER(S) RECEIVED BROKEN
  - % SOLIDS JAR NOT RECEIVED
  - 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
  - RESIDUAL CHLORINE PRESENT
- ( APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TECHNICIAN SIGNATURE/DATE F.M. 04-11-08 TECHNICIAN SIGNATURE/DATE 10-4-11-08 ASBD 12/17/07



**Job Change Order: F56833\_5/8/2008**

<b>Requested Date:</b> 5/8/2008	<b>Received Date:</b> 4/11/2008
<b>Account Name:</b> Philip Environmental Services Corp.	<b>Due Date:</b> 4/25/2008
<b>Project Description:</b> West Point Home: Clemson, SC	<b>Deliverable:</b> COMMB
<b>CSR:</b> SB	<b>TAT (Days):</b> 14

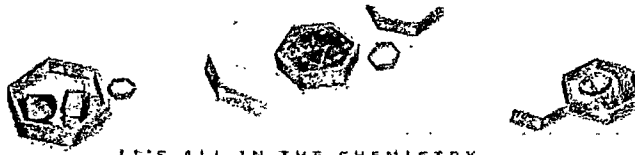
**Sample #:** F56833-1,2,3,4,5,6,7,8,9      **Change:** Per Amy J for Dale M @ PSC via e-mail 05.08.08, add Trichlorotrifluoromethane these samples.

**Above Changes**      Amy J for Dale M @ PSC via e-mail      **Date:** 5/8/2008

**F56833: Chain of Custody**  
**Page 3 of 3**

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1



IT'S ALL IN THE CHEMISTRY

05/08/08

## Technical Report for

Philip Environmental Services Corp.

West Point Home: Clemson, SC

62403248

Accutest Job Number: F56835

Sampling Date: 04/09/08



### Report to:

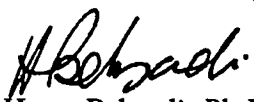
Philip Environmental Services Corp.  
210 W Sand Bank Rd  
Columbia, IL 62236  
DMarkley@pscnow.com

ATTN: Dale Markley

Total number of pages in report: 43



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

  
Harry Behzadi, Ph.D.  
Laboratory Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.

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### Sample Summary

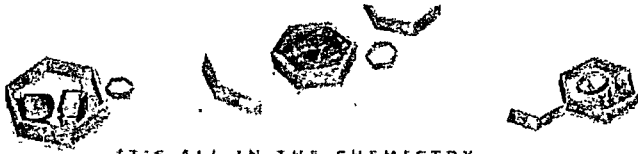
Philip Environmental Services Corp.

Job No: F56835

West Point Home: Clemson, SC

Project No: 62403248

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F56835-1	04/09/08	11:49	DPS	04/11/08	AQ Ground Water	UG-2
F56835-2	04/09/08	12:40	DPS	04/11/08	AQ Ground Water	UG-1
F56835-3	04/09/08	15:12	DPS	04/11/08	AQ Ground Water	MW-14
F56835-4	04/09/08	16:00	DPS	04/11/08	AQ Ground Water	UG-6
F56835-5	04/09/08	17:09	DPS	04/11/08	AQ Ground Water	UGB-1
F56835-6	04/09/08	18:12	DPS	04/11/08	AQ Ground Water	LUST-4
F56835-7	04/09/08	19:18	DPS	04/11/08	AQ Ground Water	LUST-1
F56835-8	04/09/08	00:00	DPS	04/11/08	AQ Trip Blank Water	LAB BLANK



**Sample Results**

---

**Report of Analysis**

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## Report of Analysis



Client Sample ID:	UG-2	Date Sampled:	04/09/08
Lab Sample ID:	F56835-1	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0026737.D	5	04/22/08	MM	n/a	n/a	VM1106
Run #2	N0025985.D	10	04/21/08	MM	n/a	n/a	VN1092

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	130	50	ug/l	
71-43-2	Benzene	ND	5.0	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.5	ug/l	
75-25-2	Bromoform	ND	5.0	1.4	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	2.3	ug/l	
67-66-3	Chloroform	ND	5.0	1.1	ug/l	
75-15-0	Carbon disulfide	ND	10	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.8	5.0	1.4	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	462 <sup>a</sup>	10	2.0	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	11	ug/l	
74-83-9	Methyl bromide	ND	10	2.7	ug/l	
74-87-3	Methyl chloride	ND	10	1.9	ug/l	
75-09-2	Methylene chloride <sup>b</sup>	5.8	25	5.0	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	25	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.3	ug/l	
100-42-5	Styrene	ND	5.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.9	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.5	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/l	
108-88-3	Toluene	ND	5.0	1.4	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

2.1  
2

<b>Client Sample ID:</b> UG-2		<b>Date Sampled:</b> 04/09/08
<b>Lab Sample ID:</b> F56835-1		<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B		
<b>Project:</b> West Point Home: Clemson, SC		

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.0	1.9	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.2	ug/l	
75-01-4	Vinyl chloride	ND	5.0	1.7	ug/l	
1330-20-7	Xylene (total)	822	15	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	95%	95%	76-127%
2037-26-5	Toluene-D8	96%	101%	86-112%
460-00-4	4-Bromofluorobenzene	93%	107%	84-120%

- (a) Result is from Run# 2
- (b) Suspected laboratory contaminant.

---

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound



## Report of Analysis



Client Sample ID:	UG-1	Date Sampled:	04/09/08
Lab Sample ID:	F56835-2	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0025986.D	5	04/21/08	MM	n/a	n/a	VN1092
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	130	50	ug/l	
71-43-2	Benzene	1.0	5.0	1.0	ug/l	J
75-27-4	Bromodichloromethane	ND	5.0	1.5	ug/l	
75-25-2	Bromoform	ND	5.0	1.4	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	2.3	ug/l	
67-66-3	Chloroform	ND	5.0	1.1	ug/l	
75-15-0	Carbon disulfide	ND	10	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.4	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	320	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	11	ug/l	
74-83-9	Methyl bromide	ND	10	2.7	ug/l	
74-87-3	Methyl chloride	ND	10	1.9	ug/l	
75-09-2	Methylene chloride	ND	25	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.3	ug/l	
100-42-5	Styrene	ND	5.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.9	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.5	ug/l	
127-18-4	Tetrachloroethylene	1.7	5.0	1.3	ug/l	J
108-88-3	Toluene	ND	5.0	1.4	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> UG-1	<b>Date Sampled:</b> 04/09/08
<b>Lab Sample ID:</b> F56835-2	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.0	1.9	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.2	ug/l	
75-01-4	Vinyl chloride	ND	5.0	1.7	ug/l	
1330-20-7	Xylene (total)	427	15	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	96%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis



Client Sample ID: MW-14	Date Sampled: 04/09/08
Lab Sample ID: F56835-3	Date Received: 04/11/08
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: West Point Home: Clemson, SC	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0025987.D	50	04/21/08	MM	n/a	n/a	VN1092
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1300	500	ug/l	
71-43-2	Benzene	ND	50	10	ug/l	
75-27-4	Bromodichloromethane	ND	50	15	ug/l	
75-25-2	Bromoform	ND	50	14	ug/l	
108-90-7	Chlorobenzene	ND	50	10	ug/l	
75-00-3	Chloroethane	ND	100	23	ug/l	
67-66-3	Chloroform	ND	50	11	ug/l	
75-15-0	Carbon disulfide	ND	100	10	ug/l	
56-23-5	Carbon tetrachloride	ND	50	15	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	12	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	10	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	13	ug/l	
124-48-1	Dibromochloromethane	ND	50	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	50	14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	2150	50	10	ug/l	
591-78-6	2-Hexanone	ND	500	140	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	110	ug/l	
74-83-9	Methyl bromide	ND	100	27	ug/l	
74-87-3	Methyl chloride	ND	100	19	ug/l	
75-09-2	Methylene chloride	ND	250	50	ug/l	
78-93-3	Methyl ethyl ketone	ND	250	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	13	ug/l	
100-42-5	Styrene	ND	50	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	15	ug/l	
79-34-5	1,1,1,2,2-Tetrachloroethane	ND	50	19	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	15	ug/l	
127-18-4	Tetrachloroethylene	ND	50	13	ug/l	
108-88-3	Toluene	ND	50	14	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> MW-14	<b>Date Sampled:</b> 04/09/08
<b>Lab Sample ID:</b> F56835-3	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	50	19	ug/l	
75-69-4	Trichlorofluoromethane	ND	100	22	ug/l	
75-01-4	Vinyl chloride	ND	50	17	ug/l	
1330-20-7	Xylene (total)	4390	150	28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

2.4  
2

Client Sample ID:	UG-6	Date Sampled:	04/09/08
Lab Sample ID:	F56835-4	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0025989.D	1	04/21/08	MM	n/a	n/a	VN1092
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	3.1	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.27	1.0	0.23	ug/l	J
107-06-2	1,2-Dichloroethane	0.21	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	40.6	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	28.9	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> UG-6	<b>Date Sampled:</b> 04/09/08
<b>Lab Sample ID:</b> F56835-4	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	1.3	1.0	0.38	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	UGB-1	Date Sampled:	04/09/08
Lab Sample ID:	F56835-5	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0025988.D	10	04/21/08	MM	n/a	n/a	VN1092
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	100	ug/l	
71-43-2	Benzene	ND	10	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.9	ug/l	
75-25-2	Bromoform	ND	10	2.8	ug/l	
108-90-7	Chlorobenzene	ND	10	2.0	ug/l	
75-00-3	Chloroethane	ND	20	4.6	ug/l	
67-66-3	Chloroform	ND	10	2.1	ug/l	
75-15-0	Carbon disulfide	ND	20	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.5	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	2.3	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.5	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	5.9	10	2.8	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	602	10	2.0	ug/l	
591-78-6	2-Hexanone	ND	100	29	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	22	ug/l	
74-83-9	Methyl bromide	ND	20	5.4	ug/l	
74-87-3	Methyl chloride	ND	20	3.8	ug/l	
75-09-2	Methylene chloride <sup>a</sup>	20.1	50	10	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.5	ug/l	
100-42-5	Styrene	ND	10	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	3.0	ug/l	
127-18-4	Tetrachloroethylene	185	10	2.5	ug/l	
108-88-3	Toluene	ND	10	2.7	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> UGB-1	<b>Date Sampled:</b> 04/09/08
<b>Lab Sample ID:</b> F56835-5	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	5.3	10	3.8	ug/l	J
75-69-4	Trichlorofluoromethane	ND	20	4.3	ug/l	
75-01-4	Vinyl chloride	ND	10	3.4	ug/l	
1330-20-7	Xylene (total)	1560	30	5.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	110%		84-120%

(a) Suspected laboratory contaminant.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	LUST-4	Date Sampled:	04/09/08
Lab Sample ID:	F56835-6	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0025990.D	1	04/21/08	MM	n/a	n/a	VN1092
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	2.6	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	3.0	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	2.5	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	59.9	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> LUST-4	
<b>Lab Sample ID:</b> F56835-6	<b>Date Sampled:</b> 04/09/08
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 04/11/08
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-69-4	Trichlorofluoromethane	3.2	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
1868-53-7	Dibromofluoromethane	103%		87-116%		
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%		
2037-26-5	Toluene-D8	103%		86-112%		
460-00-4	4-Bromofluorobenzene	107%		84-120%		

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> LUST-1	<b>Date Sampled:</b> 04/09/08
<b>Lab Sample ID:</b> F56835-7	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0026688.D	1	04/21/08	MM	n/a	n/a	VM1105
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	2.3	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	27.0	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	7.9	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	2.5	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	16.2	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	28.1	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> LUST-1	<b>Date Sampled:</b> 04/09/08
<b>Lab Sample ID:</b> F56835-7	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	0.40	1.0	0.38	ug/l	J
75-69-4	Trichlorofluoromethane	2.3	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	5.0	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	96%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis



Client Sample ID:	LAB BLANK	Date Sampled:	04/09/08
Lab Sample ID:	F56835-8	Date Received:	04/11/08
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0026692.D	1	04/21/08	MM	n/a	n/a	VM1105
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.27	1.0	0.20	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> LAB BLANK	<b>Date Sampled:</b> 04/09/08
<b>Lab Sample ID:</b> F56835-8	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Trip Blank Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	97%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Misc. Forms

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## Custody Documents and Other Forms

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Includes the following where applicable:

- Certification Exceptions
- Chain of Custody





**ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION**

ACCUTEST'S JOB NUMBER: F56835 CLIENT: PSC PROJECT: CLMSON WPH  
 DATE/TIME RECEIVED: 04-11-08 1100 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1, 2  
 METHOD OF DELIVERY:  FEDEX  UPS  ACCUTEST COURIER  GREYHOUND  DELIVERY  OTHER  
 AIRBILL NUMBERS: 863914337518

**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET
- WET ICE RECEIVED IN COOLER

**TRIP BLANK INFORMATION**

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 0  
 NUMBER OF 5035 FIELD KITS ? 0  
 NUMBER OF LAB FILTERED METALS ? 0

**SAMPLE INFORMATION**

- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
  - CORRECT NUMBER OF CONTAINERS USED
  - SAMPLE RECEIVED IMPROPERLY PRESERVED
  - INSUFFICIENT VOLUME FOR ANALYSIS
  - TIMES ON COC DOES NOT MATCH LABEL(S)
  - ID'S ON COC DOES NOT MATCH LABEL(S)
  - VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
  - BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
  - NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
  - UNCLEAR FILTERING INSTRUCTIONS
  - UNCLEAR COMPOSITING INSTRUCTIONS
  - SAMPLE CONTAINER(S) RECEIVED BROKEN
  - % SOLIDS JAR NOT RECEIVED
  - 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
  - RESIDUAL CHLORINE PRESENT
- ( APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

TECHNICIAN SIGNATURE/DATE F.M. 04-11-08      TECHNICIAN SIGNATURE/DATE ↓ 4-11-08      ASBD 12/17/07

**Job Change Order: F56835\_4/17/2008**

<b>Requested Date:</b>	4/17/2008	<b>Received Date:</b>	4/11/2008
<b>Account Name:</b>	Philip Environmental Services Corp.	<b>Due Date:</b>	4/25/2008
<b>Project Description:</b>	West Point Home: Clemson, SC	<b>Deliverable:</b>	COMMB
<b>CSR:</b>	SB	<b>TAT (Days):</b>	14

**Sample #:**  
F56835-8

**Change:** Per Dale Markley @ PSC via e-mail 04.17.08, run this for VOC's even though it is not checked off for analysis on the coc.

LAB BLANK

**Above Changes**

Dale Markley @ PSC via e-mail 04.17.08

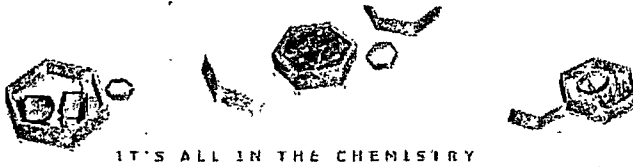
**Date:** 4/17/2008

**F56835: Chain of Custody**

**Page 3 of 3**

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1



## GC/MS Volatiles

### QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

# Method Blank Summary

Job Number: F56835  
 Account: PSCILC Philip Environmental Services Corp.  
 Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1092-MB	N0025969.D	1	04/21/08	MM	n/a	n/a	VN1092

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-1, F56835-2, F56835-3, F56835-4, F56835-5, F56835-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.5	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

4.1  
4

# Method Blank Summary

Job Number: F56835  
Account: PSCILC Philip Environmental Services Corp.  
Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1092-MB	N0025969.D	1	04/21/08	MM	n/a	n/a	VN1092

4.1  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-1, F56835-2, F56835-3, F56835-4, F56835-5, F56835-6

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

# Method Blank Summary

Job Number: F56835  
 Account: PSCILC Philip Environmental Services Corp.  
 Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1105-MB	M0026687.D 1		04/21/08	MM	n/a	n/a	VM1105

4.1  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-7, F56835-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

# Method Blank Summary

Job Number: F56835  
Account: PSCILC Philip Environmental Services Corp.  
Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1105-MB	M0026687.D1		04/21/08	MM	n/a	n/a	VM1105

4.1  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-7, F56835-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

# Method Blank Summary

Job Number: F56835  
 Account: PSCILC Philip Environmental Services Corp.  
 Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1106-MB	M0026716.D 1		04/22/08	MM	n/a	n/a	VM1106

4.1  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.4	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	



# Method Blank Summary

Job Number: F56835  
Account: PSCILC Philip Environmental Services Corp.  
Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1106-MB	M0026716.D	1	04/22/08	MM	n/a	n/a	VM1106

4.1  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-1

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

# Blank Spike Summary

Job Number: F56835  
 Account: PSCILC Philip Environmental Services Corp.  
 Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1092-BS	N0025968.D	1	04/21/08	MM	n/a	n/a	VN1092

4.2  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-1, F56835-2, F56835-3, F56835-4, F56835-5, F56835-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	120	96	59-134
71-43-2	Benzene	25	25.7	103	83-124
75-27-4	Bromodichloromethane	25	24.0	96	76-116
75-25-2	Bromoform	25	26.5	106	68-128
108-90-7	Chlorobenzene	25	24.6	98	87-115
75-00-3	Chloroethane	25	23.9	96	54-166
67-66-3	Chloroform	25	25.6	102	85-123
75-15-0	Carbon disulfide	25	30.6	122	67-147
56-23-5	Carbon tetrachloride	25	28.0	112	74-139
75-34-3	1,1-Dichloroethane	25	26.3	105	82-127
75-35-4	1,1-Dichloroethylene	25	27.5	110	75-133
107-06-2	1,2-Dichloroethane	25	24.8	99	76-122
78-87-5	1,2-Dichloropropane	25	23.2	93	81-120
124-48-1	Dibromochloromethane	25	24.9	100	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.5	98	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.0	100	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.0	108	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.5	106	87-123
100-41-4	Ethylbenzene	25	25.4	102	87-118
591-78-6	2-Hexanone	125	127	102	58-125
108-10-1	4-Methyl-2-pentanone	125	116	93	62-125
74-83-9	Methyl bromide	25	25.7	103	55-151
74-87-3	Methyl chloride	25	30.3	121	55-173
75-09-2	Methylene chloride	25	23.0	92	69-125
78-93-3	Methyl ethyl ketone	125	132	106	61-127
1634-04-4	Methyl Tert Butyl Ether	25	24.7	99	75-116
100-42-5	Styrene	25	24.1	96	78-118
71-55-6	1,1,1-Trichloroethane	25	29.4	118	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.9	92	71-120
79-00-5	1,1,2-Trichloroethane	25	22.9	92	80-114
127-18-4	Tetrachloroethylene	25	27.0	108	80-131
108-88-3	Toluene	25	25.6	102	86-116
79-01-6	Trichloroethylene	25	25.2	101	85-124
75-69-4	Trichlorofluoromethane	25	27.9	112	66-156
75-01-4	Vinyl chloride	25	30.0	120	57-153
1330-20-7	Xylene (total)	75	73.8	98	86-120

# Blank Spike Summary

Job Number: F56835  
Account: PSCILC Philip Environmental Services Corp.  
Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1092-BS	N0025968.D 1		04/21/08	MM	n/a	n/a	VN1092

4.2  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-1, F56835-2, F56835-3, F56835-4, F56835-5, F56835-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

# Blank Spike Summary

Job Number: F56835  
 Account: PSCILC Philip Environmental Services Corp.  
 Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1105-BS	M0026686.D 1		04/21/08	MM	n/a	n/a	VM1105

4.2  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-7, F56835-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	115	92	59-134
71-43-2	Benzene	25	25.1	100	83-124
75-27-4	Bromodichloromethane	25	23.9	96	76-116
75-25-2	Bromoform	25	24.0	96	68-128
108-90-7	Chlorobenzene	25	26.4	106	87-115
75-00-3	Chloroethane	25	25.9	104	54-166
67-66-3	Chloroform	25	26.6	106	85-123
75-15-0	Carbon disulfide	25	27.1	108	67-147
56-23-5	Carbon tetrachloride	25	27.0	108	74-139
75-34-3	1,1-Dichloroethane	25	27.8	111	82-127
75-35-4	1,1-Dichloroethylene	25	25.5	102	75-133
107-06-2	1,2-Dichloroethane	25	23.8	95	76-122
78-87-5	1,2-Dichloropropane	25	25.4	102	81-120
124-48-1	Dibromochloromethane	25	24.3	97	74-116
156-59-2	cis-1,2-Dichloroethylene	25	23.9	96	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.5	102	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.5	106	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.5	106	87-123
100-41-4	Ethylbenzene	25	25.3	101	87-118
591-78-6	2-Hexanone	125	120	96	58-125
108-10-1	4-Methyl-2-pentanone	125	112	90	62-125
74-83-9	Methyl bromide	25	26.2	105	55-151
74-87-3	Methyl chloride	25	30.4	122	55-173
75-09-2	Methylene chloride	25	23.6	94	69-125
78-93-3	Methyl ethyl ketone	125	119	95	61-127
1634-04-4	Methyl Tert Butyl Ether	25	22.8	91	75-116
100-42-5	Styrene	25	24.1	96	78-118
71-55-6	1,1,1-Trichloroethane	25	26.8	107	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.3	93	71-120
79-00-5	1,1,2-Trichloroethane	25	24.0	96	80-114
127-18-4	Tetrachloroethylene	25	26.8	107	80-131
108-88-3	Toluene	25	25.4	102	86-116
79-01-6	Trichloroethylene	25	24.6	98	85-124
75-69-4	Trichlorofluoromethane	25	28.4	114	66-156
75-01-4	Vinyl chloride	25	28.3	113	57-153
1330-20-7	Xylene (total)	75	74.3	99	86-120

# Blank Spike Summary

Job Number: F56835  
Account: PSCILC Philip Environmental Services Corp.  
Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1105-BS	M0026686.D1		04/21/08	MM	n/a	n/a	VM1105

4.2  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-7, F56835-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

# Blank Spike Summary

Job Number: F56835  
Account: PSCILC Philip Environmental Services Corp.  
Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1106-BS	M0026715.D1		04/22/08	MM	n/a	n/a	VM1106

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	126	101	59-134
71-43-2	Benzene	25	25.3	101	83-124
75-27-4	Bromodichloromethane	25	24.6	98	76-116
75-25-2	Bromoform	25	24.4	98	68-128
108-90-7	Chlorobenzene	25	26.6	106	87-115
75-00-3	Chloroethane	25	32.8	131	54-166
67-66-3	Chloroform	25	27.3	109	85-123
75-15-0	Carbon disulfide	25	27.5	110	67-147
56-23-5	Carbon tetrachloride	25	26.7	107	74-139
75-34-3	1,1-Dichloroethane	25	28.9	116	82-127
75-35-4	1,1-Dichloroethylene	25	27.1	108	75-133
107-06-2	1,2-Dichloroethane	25	24.7	99	76-122
78-87-5	1,2-Dichloropropane	25	26.7	107	81-120
124-48-1	Dibromochloromethane	25	23.9	96	74-116
156-59-2	cis-1,2-Dichloroethylene	25	23.0	92	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.9	104	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.0	108	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.4	110	87-123
591-78-6	2-Hexanone	125	128	102	58-125
108-10-1	4-Methyl-2-pentanone	125	116	93	62-125
74-83-9	Methyl bromide	25	30.6	122	55-151
74-87-3	Methyl chloride	25	33.4	134	55-173
75-09-2	Methylene chloride	25	26.6	106	69-125
78-93-3	Methyl ethyl ketone	125	128	102	61-127
1634-04-4	Methyl Tert Butyl Ether	25	22.5	90	75-116
100-42-5	Styrene	25	24.1	96	78-118
71-55-6	1,1,1-Trichloroethane	25	26.4	106	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.6	94	71-120
79-00-5	1,1,2-Trichloroethane	25	23.9	96	80-114
127-18-4	Tetrachloroethylene	25	26.1	104	80-131
108-88-3	Toluene	25	25.5	102	86-116
79-01-6	Trichloroethylene	25	25.0	100	85-124
75-69-4	Trichlorofluoromethane	25	31.3	125	66-156
75-01-4	Vinyl chloride	25	29.9	120	57-153
1330-20-7	Xylene (total)	75	75.2	100	86-120

4.2  
4

# Blank Spike Summary

Job Number: F56835  
Account: PSCILC Philip Environmental Services Corp.  
Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1106-BS	M0026715.D	1	04/22/08	MM	n/a	n/a	VM1106

4.2  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-1

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56835  
 Account: PSCILC Philip Environmental Services Corp.  
 Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56916-3MS	N0025981.D	1	04/21/08	MM	n/a	n/a	VN1092
F56916-3MSD	N0025982.D	1	04/21/08	MM	n/a	n/a	VN1092
F56916-3	N0025976.D	1	04/21/08	MM	n/a	n/a	VN1092

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-1, F56835-2, F56835-3, F56835-4, F56835-5, F56835-6

CAS No.	Compound	F56916-3 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	125	91.0	73	93.1	74	2	59-134/14
71-43-2	Benzene	ND	25	25.5	102	25.2	101	1	83-124/11
75-27-4	Bromodichloromethane	ND	25	23.9	96	23.6	94	1	76-116/10
75-25-2	Bromoform	ND	25	24.5	98	24.5	98	0	68-128/11
108-90-7	Chlorobenzene	ND	25	24.3	97	24.4	98	0	87-115/9
75-00-3	Chloroethane	ND	25	22.1	88	21.8	87	1	54-166/20
67-66-3	Chloroform	ND	25	25.9	104	25.7	103	1	85-123/10
75-15-0	Carbon disulfide	ND	25	28.7	115	28.3	113	1	67-147/12
56-23-5	Carbon tetrachloride	ND	25	27.7	111	27.6	110	0	74-139/13
75-34-3	1,1-Dichloroethane	ND	25	26.7	107	26.4	106	1	82-127/10
75-35-4	1,1-Dichloroethylene	ND	25	25.7	103	25.9	104	1	75-133/13
107-06-2	1,2-Dichloroethane	ND	25	24.0	96	23.7	95	1	76-122/11
78-87-5	1,2-Dichloropropane	ND	25	23.3	93	23.1	92	1	81-120/11
124-48-1	Dibromochloromethane	ND	25	24.6	98	24.7	99	0	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND	25	25.5	102	24.7	99	3	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND	25	23.6	94	23.7	95	0	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND	25	25.8	103	25.6	102	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND	25	25.4	102	25.6	102	1	87-123/10
100-41-4	Ethylbenzene	ND	25	25.0	100	24.9	100	0	87-118/10
591-78-6	2-Hexanone	ND	125	114	91	116	93	2	58-125/14
108-10-1	4-Methyl-2-pentanone	ND	125	113	90	114	91	1	62-125/13
74-83-9	Methyl bromide	ND	25	22.8	91	23.2	93	2	55-151/21
74-87-3	Methyl chloride	ND	25	29.0	116	29.0	116	0	55-173/22
75-09-2	Methylene chloride	ND	25	20.8	83	21.0	84	1	69-125/11
78-93-3	Methyl ethyl ketone	ND	125	99.3	79	102	82	3	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND	25	22.3	89	22.9	92	3	75-116/10
100-42-5	Styrene	ND	25	23.5	94	23.6	94	0	78-118/11
71-55-6	1,1,1-Trichloroethane	ND	25	28.8	115	28.2	113	2	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	21.8	87	22.4	90	3	71-120/11
79-00-5	1,1,2-Trichloroethane	ND	25	22.6	90	22.5	90	0	80-114/11
127-18-4	Tetrachloroethylene	ND	25	26.6	106	26.2	105	2	80-131/12
108-88-3	Toluene	ND	25	25.1	100	25.4	102	1	86-116/10
79-01-6	Trichloroethylene	ND	25	24.8	99	24.5	98	1	85-124/10
75-69-4	Trichlorofluoromethane	ND	25	25.8	103	25.9	104	0	66-156/15
75-01-4	Vinyl chloride	ND	25	27.7	111	27.9	112	1	57-153/22
1330-20-7	Xylene (total)	ND	75	72.7	97	72.4	97	0	86-120/10

4.3  
4



# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56835  
Account: PSCILC Philip Environmental Services Corp.  
Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56916-3MS	N0025981.D	1	04/21/08	MM	n/a	n/a	VN1092
F56916-3MSD	N0025982.D	1	04/21/08	MM	n/a	n/a	VN1092
F56916-3	N0025976.D	1	04/21/08	MM	n/a	n/a	VN1092

4.3  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-1, F56835-2, F56835-3, F56835-4, F56835-5, F56835-6

CAS No.	Surrogate Recoveries	MS	MSD	F56916-3	Limits
1868-53-7	Dibromofluoromethane	104%	105%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	102%	94%	76-127%
2037-26-5	Toluene-D8	100%	102%	102%	86-112%
460-00-4	4-Bromofluorobenzene	103%	104%	106%	84-120%

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56835  
 Account: PSCILC Philip Environmental Services Corp.  
 Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56868-3MS	M0026690.D 5		04/21/08	MM	n/a	n/a	VM1105
F56868-3MSD	M0026691.D 5		04/21/08	MM	n/a	n/a	VM1105
F56868-3	M0026689.D 5		04/21/08	MM	n/a	n/a	VM1105

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-7, F56835-8

CAS No.	Compound	F56868-3 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD	
67-64-1	Acetone	130 U		625	472	76	483	77	2	59-134/14
71-43-2	Benzene	1.3	I	125	126	100	125	99	1	83-124/11
75-27-4	Bromodichloromethane	5.0 U		125	119	95	120	96	1	76-116/10
75-25-2	Bromoform	5.0 U		125	116	93	114	91	2	68-128/11
108-90-7	Chlorobenzene	5.0 U		125	130	104	129	103	1	87-115/9
75-00-3	Chloroethane	10 U		125	148	118	147	118	1	54-166/20
67-66-3	Chloroform	5.0 U		125	132	106	132	106	0	85-123/10
75-15-0	Carbon disulfide	10 U		125	136	109	132	106	3	67-147/12
56-23-5	Carbon tetrachloride	5.0 U		125	130	104	126	101	3	74-139/13
75-34-3	1,1-Dichloroethane	4.9	I	125	146	113	144	111	1	82-127/10
75-35-4	1,1-Dichloroethylene	5.0 U		125	129	103	125	100	3	75-133/13
107-06-2	1,2-Dichloroethane	5.0 U		125	117	94	116	93	1	76-122/11
78-87-5	1,2-Dichloropropane	5.0 U		125	131	105	131	105	0	81-120/11
124-48-1	Dibromochloromethane	5.0 U		125	117	94	116	93	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	47.5		125	166	95	165	94	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	5.0 U		125	127	102	127	102	0	83-119/10
156-60-5	trans-1,2-Dichloroethylene	7.3		125	137	104	137	104	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	5.0 U		125	130	104	129	103	1	87-123/10
100-41-4	Ethylbenzene	5.0 U		125	125	100	122	98	2	87-118/10
591-78-6	2-Hexanone	50 U		625	586	94	590	94	1	58-125/14
108-10-1	4-Methyl-2-pentanone	25 U		625	586	94	595	95	2	62-125/13
74-83-9	Methyl bromide	10 U		125	139	111	142	114	2	55-151/21
74-87-3	Methyl chloride	10 U		125	161	129	161	129	0	55-173/22
75-09-2	Methylene chloride	7.5	I	125	128	96	130	98	2	69-125/11
78-93-3	Methyl ethyl ketone	25 U		625	530	85	537	86	1	61-127/13
1634-04-4	Methyl Tert Butyl Ether	5.0 U		125	111	89	112	90	1	75-116/10
100-42-5	Styrene	5.0 U		125	118	94	115	92	3	78-118/11
71-55-6	1,1,1-Trichloroethane	5.0 U		125	128	102	125	100	2	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	5.0 U		125	115	92	119	95	3	71-120/11
79-00-5	1,1,2-Trichloroethane	5.0 U		125	118	94	118	94	0	80-114/11
127-18-4	Tetrachloroethylene	5.0 U		125	126	101	123	98	2	80-131/12
108-88-3	Toluene	5.0 U		125	124	99	122	98	2	86-116/10
79-01-6	Trichloroethylene	5.0 U		125	123	98	120	96	2	85-124/10
75-69-4	Trichlorofluoromethane	10 U		125	141	113	135	108	4	66-156/15
75-01-4	Vinyl chloride	931	L	125	1080	119	1060	103	2	57-153/22
1330-20-7	Xylene (total)	15 U		375	370	99	359	96	3	86-120/10

4.3  
4

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56835  
 Account: PSCILC Philip Environmental Services Corp.  
 Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56868-3MS	M0026690.D	5	04/21/08	MM	n/a	n/a	VM1105
F56868-3MSD	M0026691.D	5	04/21/08	MM	n/a	n/a	VM1105
F56868-3	M0026689.D	5	04/21/08	MM	n/a	n/a	VM1105

4.3  
4

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-7, F56835-8

CAS No.	Surrogate Recoveries	MS	MSD	F56868-3	Limits
1868-53-7	Dibromofluoromethane	98%	99%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	97%	97%	76-127%
2037-26-5	Toluene-D8	99%	100%	99%	86-112%
460-00-4	4-Bromofluorobenzene	98%	98%	103%	84-120%

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56835  
 Account: PSCILC Philip Environmental Services Corp.  
 Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56833-6MS	M0026730.D	5	04/22/08	MM	n/a	n/a	VM1106
F56833-6MSD	M0026731.D	5	04/22/08	MM	n/a	n/a	VM1106
F56833-6	M0026719.D	5	04/22/08	MM	n/a	n/a	VM1106

The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-1

CAS No.	Compound	F56833-6 ug/l	Spike Q	ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		625	516	83	531	85	3	59-134/14
71-43-2	Benzene	ND		125	125	100	123	98	2	83-124/11
75-27-4	Bromodichloromethane	ND		125	116	93	115	92	1	76-116/10
75-25-2	Bromoform	ND		125	113	90	107	86	5	68-128/11
108-90-7	Chlorobenzene	ND		125	129	103	129	103	0	87-115/9
75-00-3	Chloroethane	ND		125	217	174*	197	158	10	54-166/20
67-66-3	Chloroform	ND		125	130	104	131	105	1	85-123/10
75-15-0	Carbon disulfide	ND		125	155	124	149	119	4	67-147/12
56-23-5	Carbon tetrachloride	ND		125	122	98	120	96	2	74-139/13
75-34-3	1,1-Dichloroethane	1.3	J	125	143	113	142	113	1	82-127/10
75-35-4	1,1-Dichloroethylene	1.5	J	125	150	119	146	116	3	75-133/13
107-06-2	1,2-Dichloroethane	ND		125	125	100	125	100	0	76-122/11
78-87-5	1,2-Dichloropropane	ND		125	141	113	138	110	2	81-120/11
124-48-1	Dibromochloromethane	ND		125	106	85	104	83	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	2.9	J	125	111	86	111	86	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		125	120	96	118	94	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		125	130	104	132	106	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		125	125	100	123	98	2	87-123/10
591-78-6	2-Hexanone	ND		625	670	107	654	105	2	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		625	677	108	667	107	1	62-125/13
74-83-9	Methyl bromide	ND		125	178	142	171	137	4	55-151/21
74-87-3	Methyl chloride	ND		125	204	163	203	162	0	55-173/22
75-09-2	Methylene chloride	22.3	JB	125	153	105	150	102	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		625	610	98	613	98	0	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		125	97.9	78	102	82	4	75-116/10
100-42-5	Styrene	ND		125	116	93	113	90	3	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		125	122	98	118	94	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		125	113	90	114	91	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		125	115	92	117	94	2	80-114/11
127-18-4	Tetrachloroethylene	366		125	389	18* a	377	9* a	3	80-131/12
108-88-3	Toluene	ND		125	122	98	119	95	2	86-116/10
79-01-6	Trichloroethylene	ND		125	122	98	122	98	0	85-124/10
75-69-4	Trichlorofluoromethane	ND		125	168	134	161	129	4	66-156/15
75-01-4	Vinyl chloride	ND		125	170	136	168	134	1	57-153/22
1330-20-7	Xylene (total)	ND		375	364	97	358	95	2	86-120/10

4.3  
4

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56835  
 Account: PSCILC Philip Environmental Services Corp.  
 Project: West Point Home: Clemson, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56833-6MS	M0026730.D	5	04/22/08	MM	n/a	n/a	VM1106
F56833-6MSD	M0026731.D	5	04/22/08	MM	n/a	n/a	VM1106
F56833-6	M0026719.D	5	04/22/08	MM	n/a	n/a	VM1106

4.3  
4

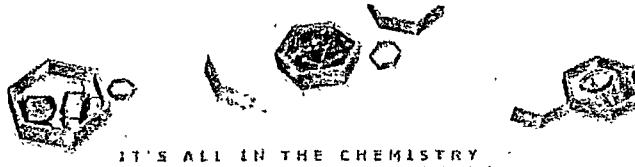
The QC reported here applies to the following samples:

Method: SW846 8260B

F56835-1

CAS No.	Surrogate Recoveries	MS	MSD	F56833-6	Limits
1868-53-7	Dibromofluoromethane	97%	97%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	103%	101%	76-127%
2037-26-5	Toluene-D8	96%	97%	102%	86-112%
460-00-4	4-Bromofluorobenzene	91%	93%	95%	84-120%

(a) Outside control limits due to high level in sample relative to spike amount.



05/14/08

**Technical Report for**

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**Philip Environmental Services Corp.**

West Point Home: Clemson, SC

62403248

Accutest Job Number: F56830

Sampling Date: 04/10/08

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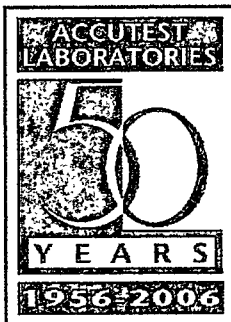
Report to:

Philip Environmental Services Corp.

dsandheinrich@pscnow.com

ATTN: Damian Sandheinrich

Total number of pages in report: 14



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

*Harry Behzadi*  
Harry Behzadi, Ph.D.  
Laboratory Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
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### Sample Summary

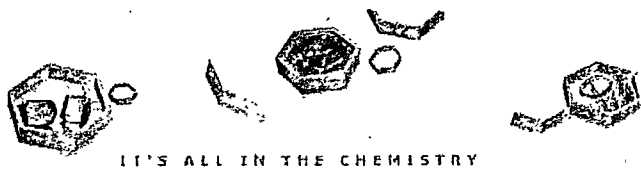
Philip Environmental Services Corp.

Job No: F56830

West Point Home: Clemson, SC  
Project No: 62403248

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F56830-1	04/10/08	09:18 DPS	04/11/08	AQ	Ground Water	LF2-9
F56830-2	04/10/08	09:50 DPS	04/11/08	AQ	Ground Water	LF2-10
F56830-3	04/10/08	10:40 DPS	04/11/08	AQ	Ground Water	LF2-8R
F56830-4	04/10/08	12:30 DPS	04/11/08	AQ	Ground Water	LF2-5
F56830-5	04/10/08	13:12 DPS	04/11/08	AQ	Ground Water	LF2-4
F56830-6	04/10/08	14:48 DPS	04/11/08	AQ	Ground Water	LF2-2
F56830-7	04/10/08	15:44 DPS	04/11/08	AQ	Ground Water	LF2-11





IT'S ALL IN THE CHEMISTRY



**Sample Results**

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**Report of Analysis**

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## Report of Analysis

<b>Client Sample ID:</b> LF2-9	<b>Date Sampled:</b> 04/10/08
<b>Lab Sample ID:</b> F56830-1	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate <sup>a</sup>	6.2	0.20	mg/l	2	04/14/08 12:45	MV	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite <sup>b</sup>	6.2	0.40	mg/l	1	04/14/08 12:45	MV	SM18 4500NO3E
Nitrogen, Nitrite <sup>c</sup>	< 0.10	0.10	mg/l	1	04/15/08 16:15	LT	EPA 300/SW846 9056
Nitrogen, Total <sup>d</sup>	6.8	0.66	mg/l	1	04/16/08 10:20	MS	SM18 4500N
Nitrogen, Total Kjeldahl	0.61	0.26	mg/l	1	04/16/08 10:20	MS	EPA 351.2

(a) Originally ran on GN29962. Re-run on dilution.

(b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

(c) Originally ran on GN29962.

(d) Calculated as: (Nitrogen, Total Kjeldahl) + (Nitrogen, Nitrate + Nitrite)

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> LF2-10		<b>Date Sampled:</b> 04/10/08
<b>Lab Sample ID:</b> F56830-2		<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate <sup>a</sup>	9.4	0.50	mg/l	5	04/14/08 13:04	MV	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite <sup>b</sup>	9.4	1.0	mg/l	1	04/14/08 13:04	MV	SM18 4500NO3E
Nitrogen, Nitrite <sup>c</sup>	< 0.10	0.10	mg/l	1	04/15/08 16:33	LT	EPA 300/SW846 9056
Nitrogen, Total <sup>d</sup>	9.4	1.3	mg/l	1	04/16/08 10:21	MS	SM18 4500N
Nitrogen, Total Kjeldahl	< 0.26	0.26	mg/l	1	04/16/08 10:21	MS	EPA 351.2

- (a) Originally ran on GN29962. Re-run on dilution.
- (b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)
- (c) Originally ran on GN29962.
- (d) Calculated as: (Nitrogen, Total Kjeldahl) + (Nitrogen, Nitrate + Nitrite)

RL = Reporting Limit



## Report of Analysis

Page 1 of 1

Client Sample ID:	LF2-8R	Date Sampled:	04/10/08
Lab Sample ID:	F56830-3	Date Received:	04/11/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	West Point Home: Clemson, SC		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate <sup>a</sup>	71.2	10	mg/l	100	04/14/08 13:59	MV	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite <sup>b</sup>	71.2	20	mg/l	1	04/14/08 13:59	MV	SM18 4500NO3E
Nitrogen, Nitrite <sup>c</sup>	< 0.10	0.10	mg/l	1	04/15/08 16:52	LT	EPA 300/SW846 9056
Nitrogen, Total <sup>d</sup>	71.2	20	mg/l	1	04/16/08 10:22	MS	SM18 4500N
Nitrogen, Total Kjeldahl	< 0.26	0.26	mg/l	1	04/16/08 10:22	MS	EPA 351.2

(a) Originally ran on GN29962. Re-run on dilution.

(b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

(c) Originally ran on GN29962.

(d) Calculated as: (Nitrogen, Total Kjeldahl) + (Nitrogen, Nitrate + Nitrite)

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> LF2-5		<b>Date Sampled:</b> 04/10/08
<b>Lab Sample ID:</b> F56830-4		<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC		

**General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate <sup>a</sup>	16.6	1.0	mg/l	10	04/14/08 14:18	MV	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite <sup>b</sup>	16.6	2.0	mg/l	1	04/14/08 14:18	MV	SM18 4500NO3E
Nitrogen, Nitrite <sup>c</sup>	< 0.10	0.10	mg/l	1	04/15/08 17:10	LT	EPA 300/SW846 9056
Nitrogen, Total <sup>d</sup>	16.6	2.3	mg/l	1	04/16/08 10:23	MS	SM18 4500N
Nitrogen, Total Kjeldahl	< 0.26	0.26	mg/l	1	04/16/08 10:23	MS	EPA 351.2

- (a) Originally ran on GN29962. Re-run on dilution.
- (b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)
- (c) Originally ran on GN29962.
- (d) Calculated as: (Nitrogen, Total Kjeldahl) + (Nitrogen, Nitrate + Nitrite)

---

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> LF2-4	<b>Date Sampled:</b> 04/10/08
<b>Lab Sample ID:</b> F56830-5	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate <sup>a</sup>	14.0	1.0	mg/l	10	04/14/08 15:51	MV	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite <sup>b</sup>	14.0	1.1	mg/l	1	04/14/08 16:28	MV	SM18 4500NO3E
Nitrogen, Nitrite	<0.10	0.10	mg/l	1	04/14/08 16:28	MV	EPA 300/SW846 9056
Nitrogen, Total <sup>c</sup>	14.0	1.4	mg/l	1	04/16/08 10:24	MS	SM18 4500N
Nitrogen, Total Kjeldahl	<0.26	0.26	mg/l	1	04/16/08 10:24	MS	EPA 351.2

(a) Originally ran on GN29962. Re-run on dilution.

(b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

(c) Calculated as: (Nitrogen, Total Kjeldahl) + (Nitrogen, Nitrate + Nitrite)

RL = Reporting Limit

## Report of Analysis

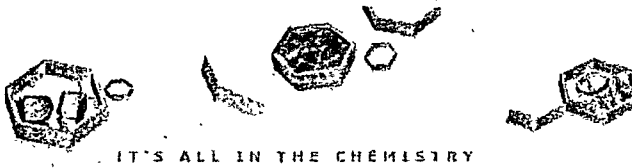
<b>Client Sample ID:</b> LF2-2	<b>Date Sampled:</b> 04/10/08
<b>Lab Sample ID:</b> F56830-6	<b>Date Received:</b> 04/11/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> West Point Home: Clemson, SC	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate <sup>a</sup>	19.8	1.0	mg/l	10	04/14/08 14:36	MV	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite <sup>b</sup>	19.8	2.0	mg/l	1	04/14/08 14:36	MV	SM18 4500NO3E
Nitrogen, Nitrite <sup>c</sup>	< 0.10	0.10	mg/l	1	04/15/08 17:29	LT	EPA 300/SW846 9056
Nitrogen, Total <sup>d</sup>	19.8	2.3	mg/l	1	04/16/08 10:25	MS	SM18 4500N
Nitrogen, Total Kjeldahl	< 0.26	0.26	mg/l	1	04/16/08 10:25	MS	EPA 351.2

- (a) Originally ran on GN29962. Re-run on dilution.
- (b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)
- (c) Originally ran on GN29962.
- (d) Calculated as: (Nitrogen, Total Kjeldahl) + (Nitrogen, Nitrate + Nitrite)

RL = Reporting Limit



IT'S ALL IN THE CHEMISTRY



## Misc. Forms

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## Custody Documents and Other Forms

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Includes the following where applicable:

- Certification Exceptions
- Chain of Custody





**ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION**

ACCUTEST'S JOB NUMBER: F56830 CLIENT: PSC PROJECT: Clemson WPH  
DATE/TIME RECEIVED: 04-11-08 1100 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1, 2  
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER  
AIRBILL NUMBERS: 86391433 7985

**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET
- WET ICE RECEIVED IN COOLER

**TRIP BLANK INFORMATION**

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON GOC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 0  
NUMBER OF 5035 FIELD KITS ? 0  
NUMBER OF LAB FILTERED METALS ? 0

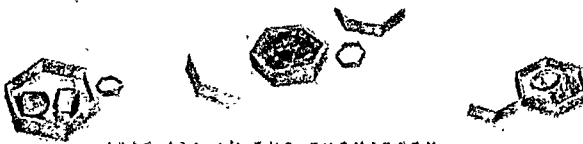
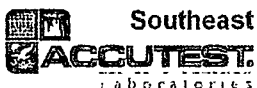
SUMMARY OF COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TECHNICIAN SIGNATURE/DATE F.M. 04-11-08 TECHNICIAN SIGNATURE/DATE jc 4-11-08 ASBD 12/17/07

**SAMPLE INFORMATION**

- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- CORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- TIMES ON COC DOES NOT MATCH LABEL(S)
- ID'S ON COC DOES NOT MATCH LABEL(S)
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING INSTRUCTIONS
- UNCLEAR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- % SOLIDS JAR NOT RECEIVED
- 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- RESIDUAL CHLORINE PRESENT

( APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)



IT'S ALL IN THE CHEMISTRY

06/20/08



## Technical Report for

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**Philip Environmental Services Corp.**

West Point Home: Clemson, SC

62403248

Accutest Job Number: F58032

Sampling Date: 06/05/08

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Report to:

Philip Environmental Services Corp.

[kolson@pscnow.com](mailto:kolson@pscnow.com)

ATTN: Ken Olson

Total number of pages in report: 15



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

*Harry Behzadi*  
Harry Behzadi, Ph.D.  
Laboratory Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.

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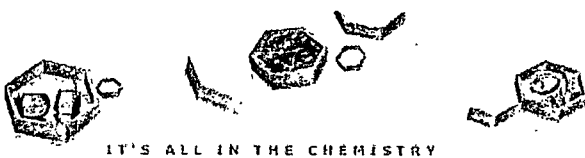
### Sample Summary

Philip Environmental Services Corp.

Job No: F58032

West Point Home: Clemson, SC  
Project No: 62403248

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F58032-1	06/05/08	11:11 JHF	06/06/08	AQ	Ground Water	MW-5
F58032-2	06/05/08	13:11 JHF	06/06/08	AQ	Ground Water	MW-2
F58032-3	06/05/08	13:54 JHF	06/06/08	AQ	Ground Water	MW-1
F58032-4	06/05/08	15:19 JHF	06/06/08	AQ	Ground Water	MW-4



IT'S ALL IN THE CHEMISTRY



## Sample Results

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## Report of Analysis

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## Report of Analysis

Page 1 of 2

Client Sample ID:	MW-5	Date Sampled:	06/05/08
Lab Sample ID:	F58032-1	Date Received:	06/06/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C056215.D	1	06/16/08	LD	n/a	n/a	VC2272
Run #2	C056188.D	10	06/13/08	LD	n/a	n/a	VC2271

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	15.9	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	104 <sup>a</sup>	10	2.2	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	

ND = Not detected    MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> MW-5	<b>Date Sampled:</b> 06/05/08
<b>Lab Sample ID:</b> F58032-1	<b>Date Received:</b> 06/06/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	96%	87-116%
17060-07-0	1,2-Dichloroethane-D4	94%	94%	76-127%
2037-26-5	Toluene-D8	99%	99%	86-112%
460-00-4	4-Bromofluorobenzene	95%	94%	84-120%

(a) Result is from Run# 2

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound



Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	06/05/08
Lab Sample ID:	F58032-2	Date Received:	06/06/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C056194.D	1	06/16/08	LD	n/a	n/a	VC2272
Run #2	C056181.D	10	06/13/08	LD	n/a	n/a	VC2271

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	0.38	1.0	0.28	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	121 <sup>a</sup>	10	2.2	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

<b>Client Sample ID:</b> MW-2	<b>Date Sampled:</b> 06/05/08
<b>Lab Sample ID:</b> F58032-2	<b>Date Received:</b> 06/06/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	95%	87-116%
17060-07-0	1,2-Dichloroethane-D4	95%	93%	76-127%
2037-26-5	Toluene-D8	100%	100%	86-112%
460-00-4	4-Bromofluorobenzene	99%	95%	84-120%

(a) Result is from Run# 2

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 2

Client Sample ID:	MW-1	Date Sampled:	06/05/08
Lab Sample ID:	F58032-3	Date Received:	06/06/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C056195.D	1	06/16/08	LD	n/a	n/a	VC2272
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	0.29	1.0	0.28	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	52.6	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

**Report of Analysis**

<b>Client Sample ID:</b> MW-1	<b>Date Sampled:</b> 06/05/08
<b>Lab Sample ID:</b> F58032-3	<b>Date Received:</b> 06/06/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	92%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

Page 1 of 2

Client Sample ID:	MW-4	Date Sampled:	06/05/08
Lab Sample ID:	F58032-4	Date Received:	06/06/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	West Point Home: Clemson, SC		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	C056196.D	1	06/16/08	LD	n/a	n/a	VC2272

Run #1	Purge Volume
Run #2	5.0 ml

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.36	1.0	0.20	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	60.4	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

**Report of Analysis**

<b>Client Sample ID:</b> MW-4	<b>Date Sampled:</b> 06/05/08
<b>Lab Sample ID:</b> F58032-4	<b>Date Received:</b> 06/06/08
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> West Point Home: Clemson, SC	

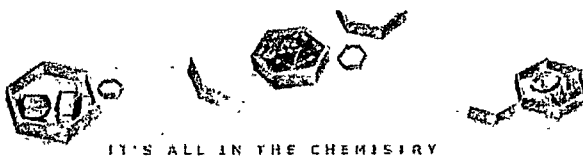
**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	95%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	94%		84-120%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
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 N = Indicates presumptive evidence of a compound



IT'S ALL IN THE CHEMISTRY



## Misc. Forms

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## Custody Documents and Other Forms

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Includes the following where applicable:

- Certification Exceptions
- Chain of Custody





**ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION**

ACCUTEST'S JOB NUMBER: F58032 CLIENT: Ph. Mils. ENV. PROJECT: West Point Homes  
 DATE/TIME RECEIVED: 06-06-08 0930 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.2  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER  
 AIRBILL NUMBERS: 7919 12346517

**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET
- WET ICE RECEIVED IN COOLER

**TRIP BLANK INFORMATION**

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 0  
 NUMBER OF 5035 FIELD KITS ? 0  
 NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SAMPLE INFORMATION**

- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- CORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- TIMES ON COC DOES NOT MATCH LABEL(S)
- ID'S ON COC DOES NOT MATCH LABEL(S)
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING INSTRUCTIONS
- UNCLEAR COMPOSITING INSTRUCTIONS //
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- % SOLIDS JAR NOT RECEIVED
- 5035 FIELD KIT NOT FROZEN WITHIN 48 HOURS
- RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TECHNICIAN SIGNATURE/DATE F.M. 06.06.08 TECHNICIAN SIGNATURE/DATE LC 6-6-08 ASBD 12/17/07

\*200

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