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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

Smith Gardner, Inc.

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

Name: Madeline German, PG Phone: 919-828-0577 x222

E-mail: madeline@smithgardnerinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Warren County Landfill	559 Baltimore Road Warrenton, NC 27589	93-01	.0500	September 18, 2015

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Madeline German, PG — Geologist — 919-828-0577 x222

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

Signature — 11/10/15 Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 2275 GEOLOGIST MADELINE GERMAN 11/10/15

14 N. Boylan Ave, Raleigh, NC 27603

Facility Representative Address

CO828

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

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September 2015 Groundwater Monitoring Report

Warren County Landfill Facility
NC Solid Waste Permit No. 93-01

Prepared for:

Warren County Public Works
Warrenton, North Carolina

November 2015

Prepared by:

NC LIC. NO. C-0828 (ENGINEERING)

SMITH+GARDNER

14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577

PRINTED ON 100% RECYCLED PAPER

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September 2015 Groundwater Monitoring Report

Warren County Landfill Facility
NC Solid Waste Permit No. 93-01

Prepared For:

Warren County Public Works
Warrenton, North Carolina

S+G Project No. WARREN 15-1

NORTH CAROLINA LICENSED SEAL 2275 GEOLOGIST MADELINE GERMAN

11/10/15

Madeline German, P.G.
Project Geologist

Joan Smyth, P.G.
Senior Hydrogeologist

November 2015

NC LIC. NO. C-0828 (ENGINEERING)

SMITH+GARDNER

14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577

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Warren County Landfill
NC Solid Waste Permit No. 93-01

September 2015 Groundwater Monitoring Report

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1.0 INTRODUCTION

The Warren County Landfill, Solid Waste Permit # 93-01, is required to perform semi-annual groundwater monitoring in accordance with Solid Waste Section Rule 15A NCAC 13B.0544. The facility includes a closed, unlined MSW landfill and an active transfer station. The County also conducts several other solid waste management activities at the facility including the collection and processing of white good/scrap metal, the collection of used tires, and the operation of a land clearing and inert debris (LCID) landfill. This report presents the results from the groundwater monitoring event performed September 18, 2015; and includes laboratory analyses, summary tables and laboratory analytical reports.

2.0 SITE GEOLOGY

The Warren County Landfill is located approximately 0.7 miles southeast of Warrenton, NC in the eastern portion of the Piedmont Physiographic Province[1]. The regional geology consists of fractured and folded igneous and metamorphic rocks overlain by saprolite, alluvial deposits and topsoil. The bedrock in this area is part of the Raleigh Belt which is predominantly granitic intrusive rocks and felsic metamorphic rocks.

Unconsolidated sediments at the site consist of residual soils and saprolite. These generally consist of silty micaceous sands and silts. Bedrock was encountered at the site at depths ranging from 15 to 28 feet below grade in groundwater monitoring wells MW-2 and MW-3[2]. Samples at the time of drilling indicated the bedrock is mica schist. Site surface drainage is generally north towards tributaries of Possum Quarter Creek.

3.0 SAMPLING LOCATIONS

The Warren County Landfill monitoring network includes four groundwater monitoring wells (MW-1A, MW-2, MW-3 and MW-4) and three surface water locations (SW-1, SW-2 and SW-3) for the facility. SW-1 was not sampled this event because it was dry. MW-1A serves as the facility background well. Available well logs and related well construction information are presented in Appendix A.

4.0 SAMPLING PROCEDURES

Smith Gardner, Inc. (S+G) personnel conducted the monitoring network sampling event September 18, 2015. Reported sampling methods followed the protocol outlined in the North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities (NCDENR, DWM). The depth to water in each well was gauged to determine groundwater depth then purged three to five well volumes or until dry. Water table elevations are presented in Table 1.

---

[1] "Butler, J. Robert and Secor, Donald T. Jr. "The Central Piedmont", Geology of the Carolinas, Horton and Zullo. The University of Tennessee Press. 1991. p 59-78.

[2] Westinghouse Environmental and Geotechnical Services, Inc. "Subsurface Investigation and Monitor Well Installation Report Warren County Landfill", January 1990.

Samples were collected in laboratory prepared containers for the specified analytical procedures. Groundwater samples were properly preserved, placed on ice, and transported to the laboratory facility (Prism Laboratories, Inc. NC Certification 402), within the specified hold times for each analysis.

5.0 FIELD AND LABORATORY RESULTS

5.1 Field Results

Field measurements for groundwater depth, pH, temperature, turbidity and specific conductance were collected for each location sampled during this monitoring event and are included in **Table 2**.

5.2 Laboratory Analysis

Samples were transported to Prism's laboratory facility in Charlotte, NC under proper chain of custody and analyzed for Appendix I constituents, including metals and VOCs using the SWS approved methods indicated on the laboratory report. The laboratory analytical report is included as **Appendix B**.

5.3 Laboratory Results

Analytical results were compared to the NCDWM Solid Waste Section Quantitation Limits (SWSLs)[3], 15A NCAC 2L.0200 (2LStandard) and the EPA established Federal Maximum Contaminant Limits (MCL) for groundwater samples; and the 15A NCAC 2B Standard for Class C waters (2B Standards) for surface water samples.

Most constituents were reported either below the laboratory established reporting limit (RL) or were laboratory identified "J-values" indicating an estimated or non-quantifiable value.

5.3.1 Inorganic Constituents

Chromium in MW-4 was the only inorganic parameter detected above its 2L Standard this event. The inorganic parameters cobalt and vanadium were reported above their GWP Standards in the samples from MW-1A, MW-2 and MW-4.

Analysis for both chromium (MW-4) and zinc (MW-3) were qualified by the laboratory with detections in the associated blank.

Detected inorganic constituents are presented in **Table 3**.

[3] New Guidelines for Electronic Submittal of Environmental Monitoring Data Memo, NCDENR – Solid Waste Section, October 27, 2006

5.3.2 Organic Constituents

Benzene, in the sample from MW-1A, was the only organic constituent with a reported detection at 1.2 µg/l this event, which is slightly above its 2L Standard. This is in line with historically reported results for benzene at this location.

Detected organic parameters are presented in **Table 4**.

5.3.3 Surface Water Results

No inorganic or organic parameters were reported at concentrations above their 2B Standards in facility surface water samples this event.

6.0 GROUNDWATER CHARACTERIZATION

Groundwater was recorded from 5 to 10 feet below ground surface (bgs), except for MW-1A, where groundwater was 32 feet bgs. Depth to groundwater is consistent with previous site records[4,5]. Based on the 2013 USGS Warrenton 7.5 Minute quadrangle groundwater generally flows in a north northeasterly direction, towards Possumquarter Creek and its unnamed tributary. Hydraulic conductivity data is not available for these wells so ground water velocities could not be calculated. A site map is presented as **Figure 1**.

7.0 CONCLUSIONS

Fall monitoring event results indicated detected concentrations of total chromium above the 2L Standard in samples collected this event. Chromium is naturally occurring in North Carolina soils, and sample turbidity influences results to be "biased high" due to these naturally occurring constituents. The organic constituent benzene was also detected in samples from MW-1A. These results are similar to previous sampling events. The next groundwater monitoring event is scheduled for March 2016. A report with laboratory analysis will be submitted to NCDENR in accordance with 15A NCAC 13B .0544.

[4] First Semi-Annual 2015 Groundwater Monitoring, Resolve Environmental Services, PLLC, prepared for Warren County Landfill, March 25, 2015.
[5] Subsurface Investigation and Monitor Well Installation Report, Westinghouse Environmentla and Geotechnical Services, Inc., prepared for Warren County Health Department, January 1990.

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FIGURE

September 2015 Groundwater Monitoring Report
Warren County Landfill
Solid Waste Permit No. 93-01

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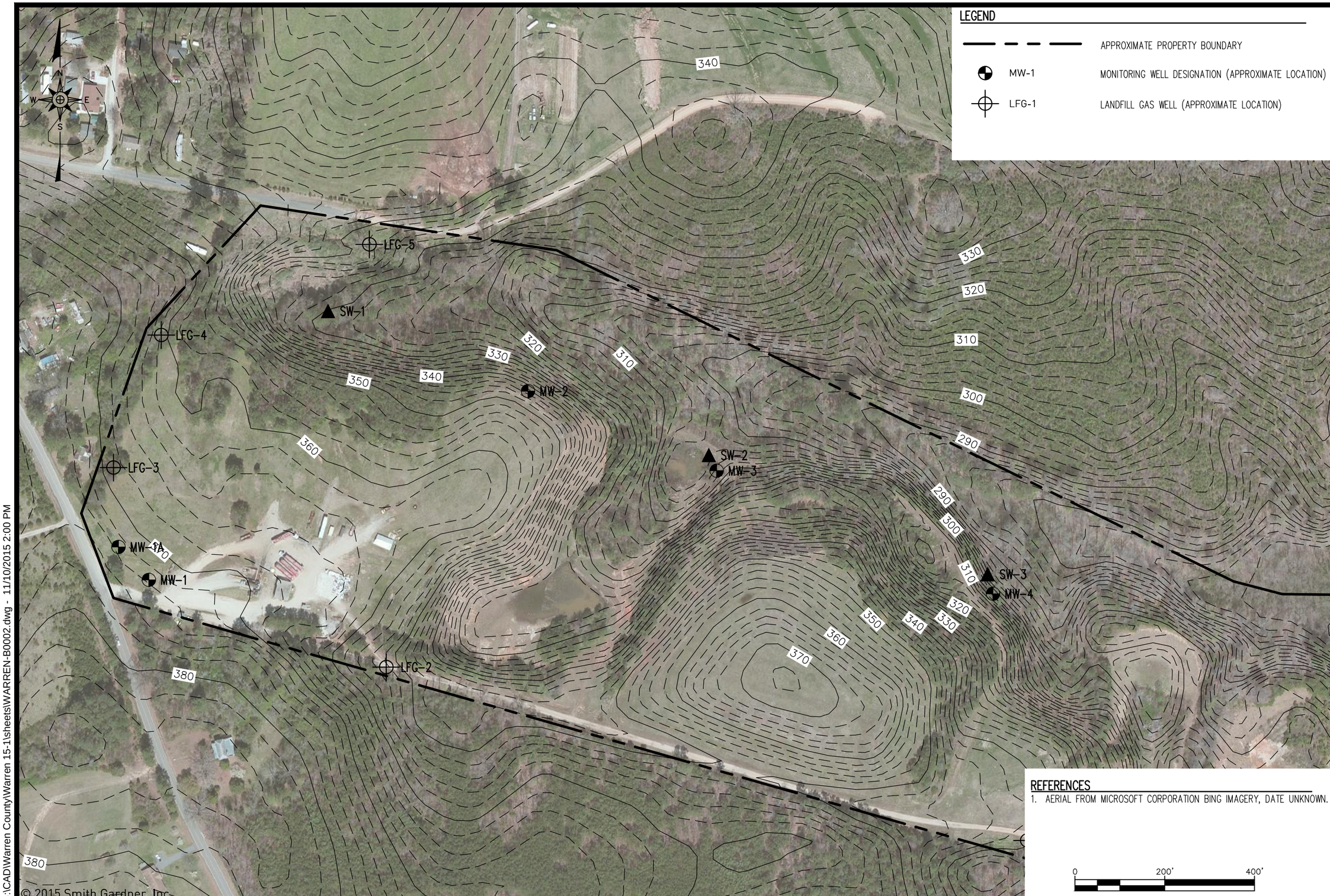

LEGEND

— — —	APPROXIMATE PROPERTY BOUNDARY
MW-1	MONITORING WELL DESIGNATION (APPROXIMATE LOCATION)
LFG-1	LANDFILL GAS WELL (APPROXIMATE LOCATION)

REFERENCES

1. AERIAL FROM MICROSOFT CORPORATION BING IMAGERY, DATE UNKNOWN.

0 200' 400'

© 2015 Smith Gardner, Inc.

PREPARED BY:
NC LIC. NO. C-0926 (ENGINEERING)
SMITH+GARDNER
14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577

PREPARED FOR:

WELL LOCATION MAP
WARREN COUNTY

DRAWN:	C.T.J.
APPROVED:	M.M.G.
SCALE:	AS SHOWN
FIGURE NO.	1
DATE:	Nov 2015
PROJECT NO:	WARREN 15-1
FILENAME:	WARREN-B0002

G:\CAD\Warren County\Warren 15-1\sheets\WARREN-B0002.dwg - 11/10/2015 2:00 PM

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TABLES

September 2015 Groundwater Monitoring Report
Warren County Landfill
Solid Waste Permit No. 93-01

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SMITH+GARDNER

By: MG
Date: 10/08/2015

Table 1
Groundwater Elevation Data
Warren County Landfill
September 18, 2015

Well	Well Installation Date	Latitude	Longitude	Well Diameter (inches)	Total Well Depth (ft bgs)	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Depth to Water (ft)	Water Table Elevation (ft bgs)	Screen Interval (feet bgs)	Screen Geology
MW-1A	8/18/1997	36.38809536	78.14656775	2	40	373.24	375.24	32.56	342.68	30-40	silty sand
MW-2	10/11/1989	36.38902733	78.14345783	2	13.5	342.93	344.93	9.41	335.52	8.5-13.5	silty sand
MW-3	10/10/1989	36.38853006	78.14203583	2	27	306.55	308.55	6.28	302.27	17-27	silty sand
MW-4	10/10/1989	36.38776261	78.13995200	2	21	302.24	304.24	4.69	299.55	11-21	sandy silt

Note:
1. Well locations are estimated from Resolve Environmental Services, Site Map, dated 9/13/2011.
2. Ground surface elevations estimated from 2004 DOT groundsurface contours.
3. TOC Elevations estimated 2 foot above ground surface.
4. Total well depth from boring logs (Appendix A).
5. Depth to water measured by Smith Gardner, Inc. personnel 9/18/2015.

SMITH+GARDNER

By: MG
Date: 10/08/2015

Table 2
Field Parameters
Warren County Landfill
September 18, 2015

Well Identification #	Temperature (°Celsius)	Specific Conductivity (uMhos/cm)	pH (SU)	Turbidity (NTU)
MW-1A	21.3	50	5.54	75.5
MW-2	19.6	130	5.77	90.4
MW-3	20.6	120	6.26	2.93
MW-4	19.9	140	6.13	8.41
SW-2	20.1	120	6.25	14.7
SW-3	20.1	140	7.2	6.67

Note:
1. Field Parameters measured by Smith Gardner, Inc. personnel on September 18, 2015.
2. SW-1 was dry thefore not sampled this event

SMITH+GARDNER

By: MG
Date: 10/08/2015

Table 3
Detected Inorganic Constituents
Warren County Landfill
September 18, 2015

Constituent	MDL	RL	SWSL	2L or GWP	MCL	2B	MW-1A	MW-2	MW-3	MW-4	SW-2	SW-3
Arsenic	0.290	1	10	10	10	10	BRL	BRL	0.34 J	BRL	BRL	BRL
Barium	0.041	5	100	700	2000	2000000	54	96	58	120	45	56
Beryllium	0.047	1	1	4*	4	6.5	1.5	0.21 J	0.057 J	0.40 J	BRL	BRL
Cadmium	0.019	1	1	2	5	2	0.27 J	0.24 J	0.14 J	0.10 J	0.079 J	0.050 J
Total Chromium	0.510	1	10	10	100	50	2.4	2.3	2.7	**16 B**	0.77 J,B	0.70 J
Cobalt	0.013	1	10	1*	NE	4	**13**	**37**	0.16 J	**4.3**	2.4	2.5
Copper	0.440	5	10	1000	1300	7	6.7	3.5 J	0.99 J	18	0.44 J	0.67 J
Lead	0.020	1	10	15	15	25	5.7	1.4	0.18 J	2.4	0.096 J	0.18
Nickel	0.053	2	50	100	NE	88	9.2	2.1	1.6 J	16	1.9 J	0.69 J
Selenium	0.350	1	10	20	50	5	BRL	BRL	BRL	0.53 J	BRL	BRL
Silver	0.011	1	10	20	100	0.06	0.023 J	0.023 J	0.031 J	0.035 J	BRL	BRL
Thallium	0.009	1	5.5	0.28*	2	0.47	0.43 J	0.12 J	BRL	0.058 J	BRL	BRL
Vanadium	2.500	5	25	0.3*	NE	NE	**6.8**	**5.3**	BRL	**11**	BRL	BRL
Zinc	0.980	10	10	1000	5000	50	49	32	5.4 J, B	25	4.2 J,B	3.7 J, B

Note:
MDL - Method Detection Limit
RL Reporting Limit achieved by laboratory
SWSL - Solid Waste Section Quantitation Limit
2L - Groundwater Standards (15A NCAC 2L 0200)
GWP - Groundwater Protection Standard (identified by *)
MCL - Federal Maximum Contaminant Limit
2B - NCAC 2B Standard for Class C waters
Bold - Concentration above 2L or GWP standard
BRL - Constituent not detected above the laboratry established RL
J - Laboratory defined as detected but below the RL, therefore the value is an estimated concentration.
B - Noted by Laboratory as detected in the associated control blank
NE - Standard Not Established

Table Data is presented in ug/l.
Analysis provided by Prism Laboratories, WO#5090370

SMITH+GARDNER

By: MG
Date: 10/08/2015

Table 4
Detected Organic Constituents
Warren County Landfill
September 18, 2015

Constituents	MDL	RL	SWSL	2L	MCL	2B	MW-1A	MW-2	MW-3	MW-4	SW-2
1,1- Dichloroethane	0.083	0.5	5	6	NE	100	BRL	BRL	0.61	BRL	BRL
1,4-Dichlorobenzene	0.050	0.5	1	6	75	100	2.4	1.5	0.7	BRL	BRL
Acetone	0.310	5.0	100	6000	NE	2000	4.3 J	BRL	BRL	BRL	BRL
Benzene	0.048	0.5	1	1	5	51	**1.2**	0.94	0.91	0.95	0.71
Chlorobenzene	0.062	0.5	3	50	100	140	BRL	0.55	0.59	BRL	BRL
Chloroethane	0.220	0.5	10	3000	NE	NE	BRL	0.91	BRL	BRL	BRL
Cis-1,2-Dichloroethene	0.056	0.5	5	70	70	720	BRL	0.54	BRL	BRL	BRL
Methylene Chloride	0.083	1.0	1	5	NE	590	0.75 J	BRL	BRL	BRL	BRL
Toluene	0.044	0.5	1	600	1000	11	BRL	BRL	BRL	BRL	0.7
o-Xylene	0.044	0.5	NE	NE	NE	600	0.72	BRL	0.71	**BRL**	BRL
Xylenes (total)	0.150	3.0	5	500	10000	670	0.72 J	BRL	0.71 J	BRL	BRL

Note:

MDL	-	Method Detection Limit
RL	-	Reporting Limit achieved by laboratory
SWSL	-	Solid Waste Section Quantitation Limit
2L	-	Groundwater Standards (15A NCAC 2L 0200)
MCL	-	Federal Maximum Contaminant Limit
2B	-	NCAC 2B Standard for Class C waters
Bold	-	Concentrations reported above 2L standard
BRL	-	Constituent not detected above the laboratry established RL
J	-	Laboratory defined as detected but below the RL, therefore the value is an estimated concentration.

Table data is presented in ug/l.
Analysis by Prism Laboratories, WO#5090370, Report Dated 10/2/2015

APPENDIX A

Well Logs

September 2015 Groundwater Monitoring Report
Warren County Landfill
Solid Waste Permit No. 93-01

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Replaces MW-1

North Carolina Department of Environment, Health, and Natural Resources
Division of Environmental Management - Groundwater Section
P.O. Box 29535 - Raleigh, N.C. 27626-0535
Phone (919) 733-3221

FOR OFFICE USE ONLY
QUAD. NO. _____ SERIAL NO. _____
Lat. _____ Long. _____ RO _____
Minor Basin _____
Basin, Drg. _____
Header Sit _____ Const. Sit _____

WELL CONSTRUCTION RECORD

DRILLING CONTRACTOR: Fishburne Drilling, Inc.

DRILLER REGISTRATION NUMBER: 951

STATE WELL CONSTRUCTION PERMIT NUMBER: _____

MW-1A

1. WELL LOCATION: (Show sketch of the location below)
   Nearest Town: Warrenton County Warren
   Baltimore Rd. (Rt. 1600)
   (Road, Community, or Subdivision and Lot No.)
2. OWNER Warren County Public Works Dept.
   ADDRESS 544 W. Ridgeway St.
   (Street or Route No.)
   Warrenton, NC 27589
   City or Town State Zip Code
3. DATE DRILLED 8/18/97 USE OF WELL Monitor
4. TOTAL DEPTH 40 ft
5. CUTTINGS COLLECTED YES [X] NO [ ]
6. DOES WELL REPLACE EXISTING WELL? YES [X] NO [ ]
7. STATIC WATER LEVEL Below Top of Casing: 31.25 FT.
   Approx. (Use "+" If Above Top of Casing)
8. TOP OF CASING IS 30 ft. FT. Above Land Surface*
   * Casing Terminated at/or below land surface is illegal unless a variance is issued in accordance with 15A NCAC 2C .0118
9. YIELD (gpm): NA METHOD OF TEST _____
10. WATER ZONES (depth): 20 ft.
11. CHLORINATION: Type NA Amount _____
12. CASING.

	Depth From	To	Ft.	Diameter	Wall Thickness or Weight/Ft.	Material
	0	27		2 in.	0.134	PVC

13. GROUT:

	Depth From	To	Ft.	Material	Method
	0	25		Lean grout	Poured

14. SCREEN:

	Depth From	To	Ft	Diameter	in.	Slot Size	in.	Material
	30	40		2		0.01		PVC

15. SAND/GRAVEL PACK:

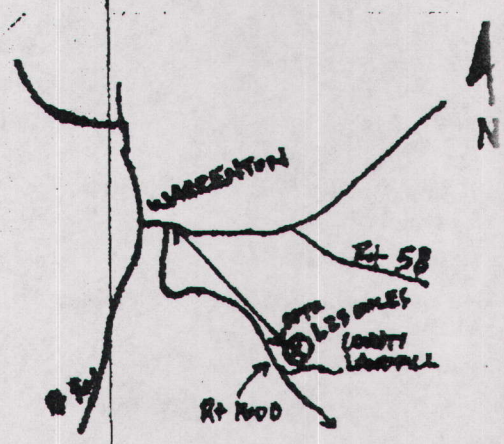
	Depth From	To	Ft.	Size	Material
	27	30		Course	Sand

16. REMARKS. Bentonite Seal 25 to 27 feet

Depth From	To	Drilling Log Formation Description
0	33 ft	Red, Brown, Tan & speckled micace silt
33 ft.	40 ft.	Tan and white speckled silt a course sand

If additional space is needed use back of form

LOCATION SKETCH
(Show direction and distance from at least two State Roads, or other map reference points)



I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

for Fishburne Drilling Inc
Clayton Fishburne 10/15/97
SIGNATURE OF CONTRACTOR OR AGENT DATE

Carmen Johnson
Fac/Perm/Co ID# 93-01 Date 10/9/12 Doc ID# DIN

RESOLVE ENVIRONMENTAL SERVICES, P.A.
MONROE, NORTH CAROLINA

PROJECT NAME: WARREN COUNTY LANDFILL
RES PROJECT NUMBER: 765.01
BORING/WELL ID: MW-1A
LOGGED BY: R. HARMON
CHECKED BY: D. HANKINS
FIELD PERSONNEL: R. HARMON
COMPLETION DATE: 08/18/97
GROUND ELEVATION: NA

OPERATOR MIKE SCOTT
EXCAVATION METHOD AUGER ROTARY
CONTRACTOR FISHBURNE DRILLING INC.

DEPTH (ft.)	FID READINGS (ppm-v)	SAMPLE TYPE	DESCRIPTION/SOIL CLASSIFICATION	BLOW COUNTS (n)
0.0		AUGER CUTTINGS	TOPSOIL	
5.0		SPLIT SPOON	MOTTLED RED AND BROWN CLAYEY SILT TRACE OF MICA	3-4-5-4
10.0		SPLIT SPOON	MOTTLED RED AND LIGHT RED MICACEOUS SILT	5-7-12-11
15.0		SPLIT SPOON	MOTTLED RED, TAN AND BLACK SANDY MICACEOUS SILT	4-5-7-6
20.0		SPLIT SPOON	MOTTLED TAN, BROWN AND BLACK MICACEOUS SANDY SILT	4-5-5-6
25.0		SPLIT SPOON	MOTTLED TO SPECKLED ORANGE, TAN AND BLACK MICACEOUS SANDY SILT	3-3-5-4
30.0		SPLIT SPOON	MOTTLED TAN, ORANGE AND BROWN MICACEOUS FINE SANDY SILT	4-6-8-7

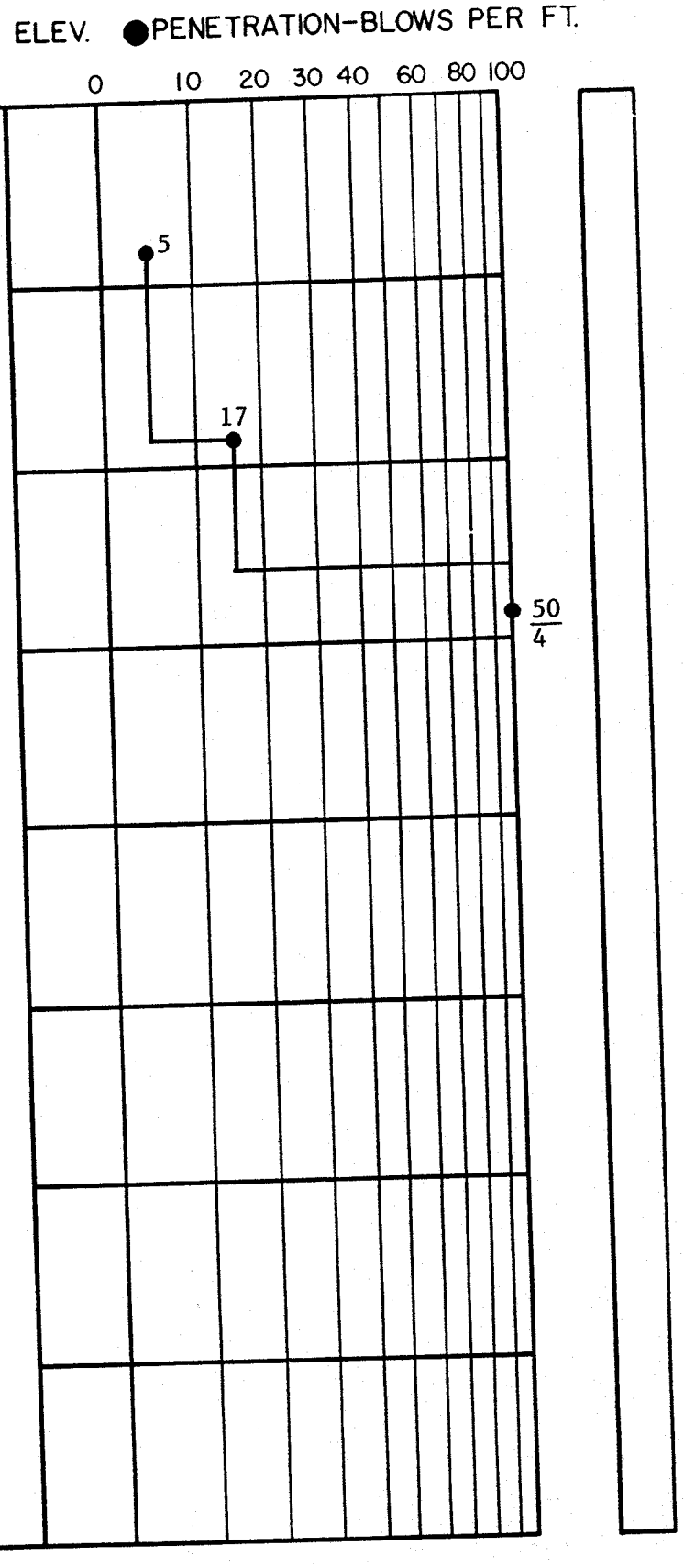
RESOLVE ENVIRONMENTAL SERVICES, P.A.
MONROE, NORTH CAROLINA

PROJECT NAME: WARREN COUNTY LANDFILL
RES PROJECT NUMBER: 765.01
BORING/WELL ID: MW-1A
LOGGED BY: R. HARMON
CHECKED BY: D. HANKINS
FIELD PERSONNEL: R. HARMON
COMPLETION DATE: 08/18/97
GROUND ELEVATION: NA

OPERATOR MIKE SCOTT
EXCAVATION METHOD AUGER ROTARY
CONTRACTOR FISHBURNE DRILLING INC.

DEPTH (ft.)	FID READINGS (ppm-v)	SAMPLE TYPE	DESCRIPTION/SOIL CLASSIFICATION	BLOW COUNTS (n)
30.0				
35.0		SPLIT SPOON	SPECKLED TAN AND WHITE FINE TO COARSE SILTY SAND	3-6-8-9
40.0		SPLIT SPOON	SPECKLED TAN FINE TO COARSE SILTY SAND AND GRAVEL WEATHERED DIORITE PARENT MATERIAL BORING TERMINATED 40 FEET	8-13-10-11
45.0				
50.0				
55.0				
60.0				

DEPTH FT.	DESCRIPTION	ELEV.
0.0	Tan Micaceous SILT (ML)	
6.5	Tan Micaceous Silty Fine to Medium SAND (SM)	
13.0	Brown Micaceous SILT (ML) with Sand, Gravel and Rock Fragments	
15.0	Auger Refusal @ 15.0'	



TEST BORING RECORD

BORING AND SAMPLING MEETS ASTM D-1586
CORE DRILLING MEETS ASTM D-2113

PENETRATION IS THE NUMBER OF BLOWS OF 140 LB. HAMMER, FALLING 30 IN. REQUIRED TO DRIVE 1.4 IN. I.D. SAMPLER 1 FT.

UNDISTURBED SAMPLE
50 % ROCK CORE RECOVERY
LOSS OF DRILLING WATER
WATER TABLE-24 HR.
WATER TABLE-1 HR.

BORING NO. MW-2
DATE DRILLED 10-11-89
JOB NO. 4112-89-123

Westinghouse

SM-14

Well Number: MW-2 Drilling Method: HOLLOW STEM AUGERS

Date Started: 10/11/89 Drilling Fluids: NONE

Date Finished: 10/11/89 Static Water Level: 5.88 Date: 12-6-89

Geologist/Engineer: T. TAYLOR Observed By:

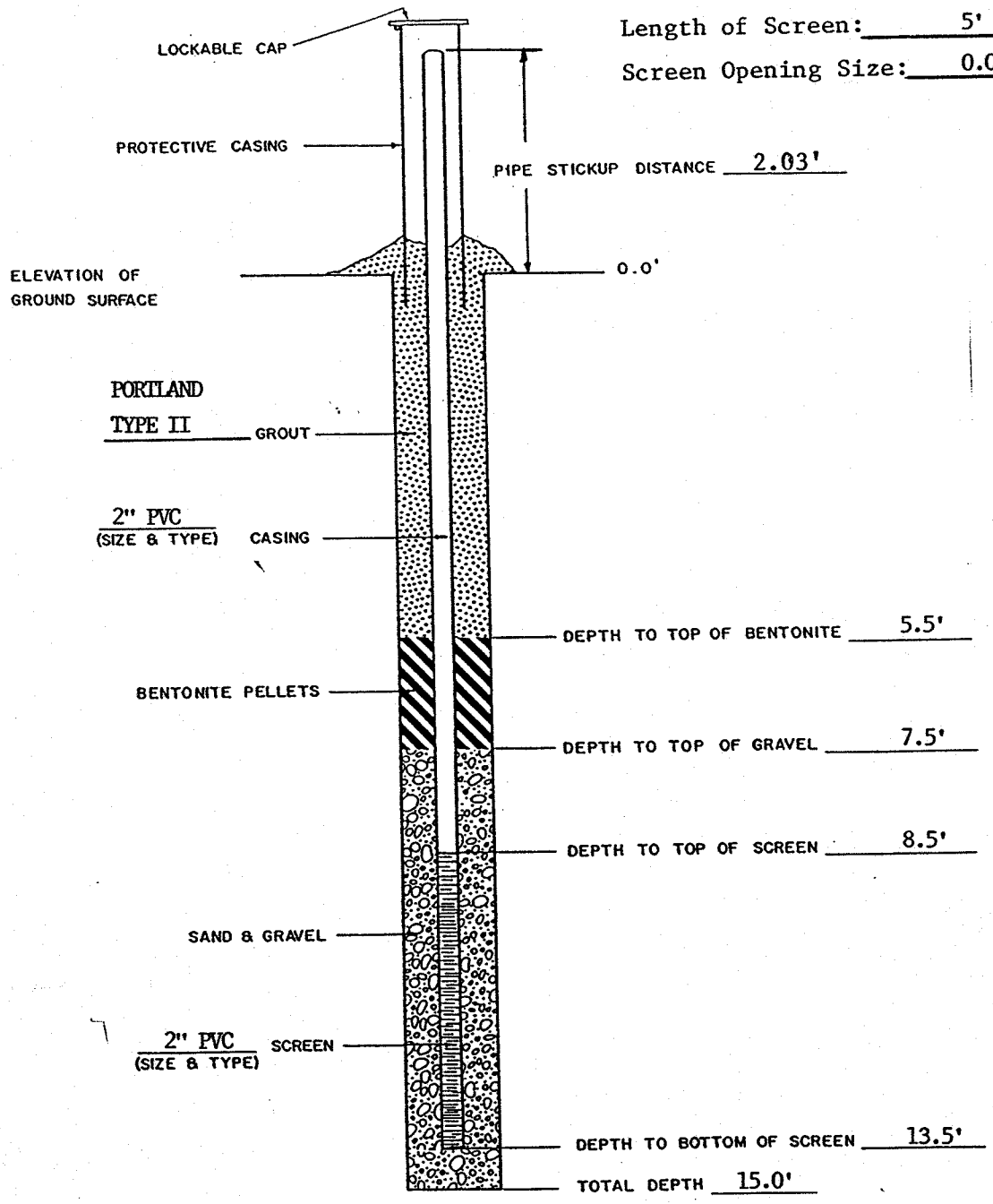
Remarks:

O.D. of Borehole: 8"

O.D. of Casing: 2.375"

Length of Screen: 5'

Screen Opening Size: 0.010"



PROJECT 5.88
WARREN CO. LANDFILL
WARRENTON, NC

Westinghouse

SCALE: NTS
JOB NO: 4112-89-123
FIG. NO:

CAROLINA DEPARTMENT OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT
DIVISION OF ENVIRONMENTAL MANAGEMENT - GROUNDWATER SECTION
P.O. BOX 27687 - RALEIGH,N.C. 27611, PHONE (919) 733-5083

FOR OFFICE USE ONLY

Quad. No. _____ Serial No. _____
Lat. _____ Long. _____ Pc _____
Minor Basin _____
Basin Code _____
Header Ent. _____ GW-1 Ent. _____

WELL CONSTRUCTION RECORD

ILLING CONTRACTOR: WESTINGHOUSE

ER REGISTRATION NUMBER: 412

STATE WELL CONSTRUCTION PERMIT NUMBER: 92-0051-WM-0013

VELL LOCATION: (Show sketch of the location below)

Nearest Town: WARRENTON

County: WARREN

Road, Community, or Subdivision and Lot No.)

OWNER: WARREN COUNTY

ADDRESS: 540 WEST RIDGEWAY (Street or Route No.)

WARRENTON (City or Town) NC (State) 27589 (Zip Code)

DATE DRILLED: 10/11/89 USE OF WELL: MONITOR

TOTAL DEPTH: 15.0 CUTTINGS COLLECTED: [X] Yes [ ] No

DOES WELL REPLACE EXISTING WELL? [ ] Yes [X] No

STATIC WATER LEVEL: ~~35.80~~ 5.80 FT. [ ] above [X] below TOP OF CASING,

TOP OF CASING IS 2.03 FT. ABOVE LAND SURFACE.

YIELD (gpm): _____ METHOD OF TEST _____

WATER ZONES (depth): _____

CHLORINATION: Type _____ Amount _____

CASING:

Depth From	To	Ft.	Diameter	Wall Thickness or Weight/Ft.	Material
8.5			2"	0.188"	PVC

GROUT:

Depth From	To	Ft.	Material	Method
5.5	0.0		PORTLAND CEMENT	POUR
7.5	5.5		"HOLE PLUG" BENTONITE	POUR

SCREEN:

Depth From	To	Ft.	Diameter	in.	Slot Size	in.	Material
13.5	8.5		2"		0.010		PVC

GRAVEL PACK:

Depth From	To	Ft.	Size	Material
13.5	7.5		FINE	QUARTZ SAND

REMARKS: _____

DRILLING LOG

Depth From	To	Formation Description
0.0	6.5	Tan Micaceous SILT (ML)
6.5	13.0	Tan Micaceous Silty Fine To Medium SAND (SM)
13.0	15.0	Brown Micaceous SILT (ML) w/ Sand, Gravel And Rock Fragements

If additional space is needed use back of form.

LOCATION SKETCH

(Show direction and distance from at least two State Roads, or other map reference points)

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15 NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Thomas C. Ilgen — 10-23-89

SIGNATURE OF CONTRACTOR OR AGENT — DATE

Submit original to Division of Environmental Management and copy to well owner.

N. C. Department of Human Resources
Division of Health Services

WELL COMPLETION RECORD

PLETE ALL INFORMATION REQUESTED BELOW FOR EACH WELL INSTALLED, AND RETURN FORM TO THE N.C. ARTMENT OF HUMAN RESOURCES, SOLID AND HAZARDOUS WASTE MANAGEMENT BRANCH, BOX 2091, RALEIGH, N.C. 27602

MW-2

E OF SITE: WARREN COUNTY LANDFILL	PERMIT NO.: 93-01
RESS: 540 WEST RIDGEWAY , WARRENTON, NC 27589	OWNER (print): WARREN COUNTY
LING CONTRACTOR: WESTINGHOUSE DRILLING	REGISTRATION NO.: 412

Type:	PVC	dia. 2 in.	Grout Depth:	from 5.5 to 0.0	ft. - dia. 8 in.
Depth:	from 8.5 to +2.03	ft. - dia. ___ in.	Bentonite Seal:	from 7.5 to 5.5	ft. - dia. 8 in.
Type:	PVC	dia. 2 in.	Sand/Gravel PK:	from 13.5 to 7.5	ft. - dia. 8 in.
Depth:	from 13.5 to 8.5	ft. - dia. ___ in.	Total Well Depth:	from 13.5 to ___	ft. - dia. 8 in.

Water Level: 5.80 feet from top of casing — Date Measured ___/___/___

(gpm): ___ Method of Testing: ___ Casing is ___ feet above land surface

DRILLING LOG

DEPTH FROM	TO	FORMATION DESCRIPTION
.0	6.5	Tan Micaceous SILT (ML)
.5	13.0	Tan Micaceous Silty Fine To Medium SAND (SM)
.0	15.0	Brown Micaceous SILT (ML) With Sand, Gravel And Rock Fragments

LOCATION SKETCH

(show distance to numbered roads, or other map reference points)

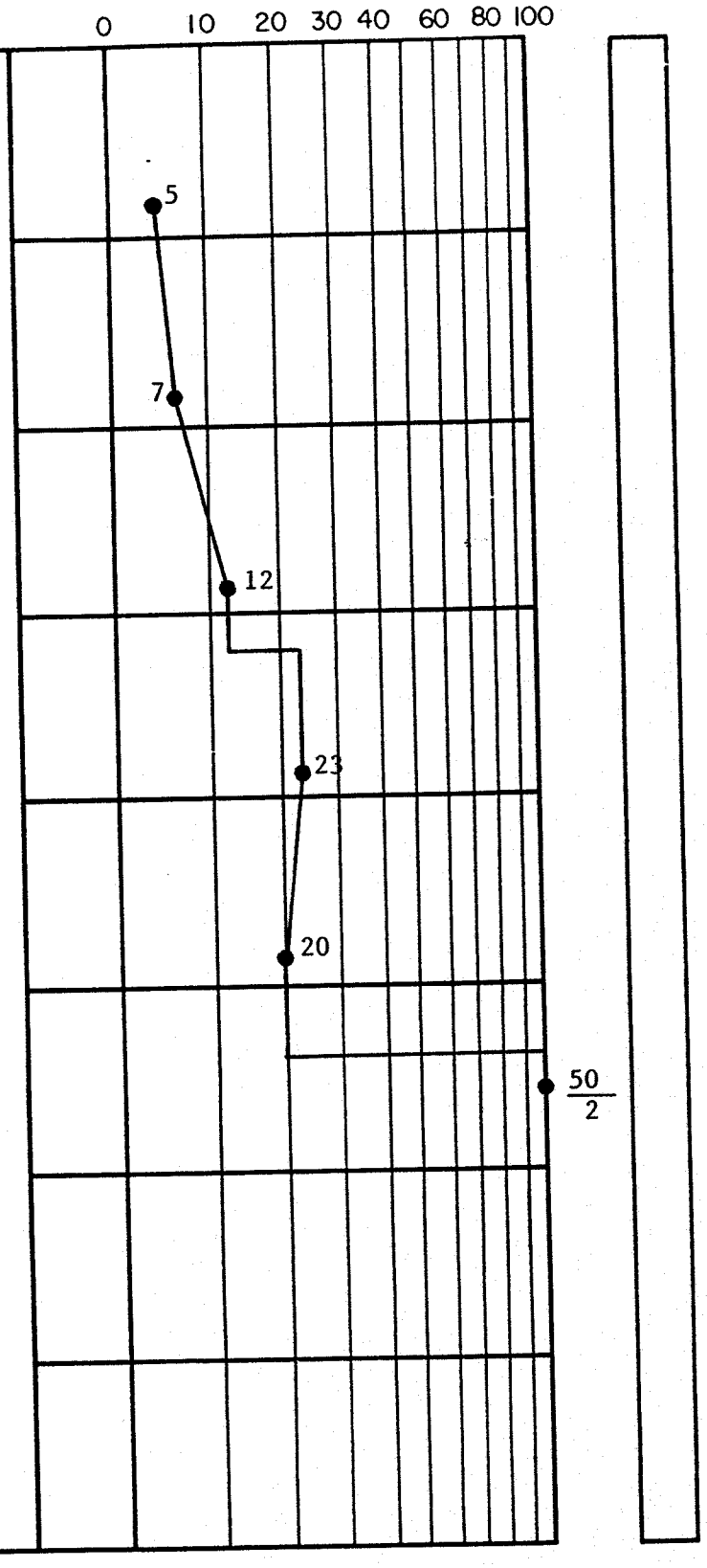
MARKS:

DATE: 10/17/89 SIGNATURE: Thomas G. Taylor

S 3[illegible]2 (6/85)
d & Hazardous Waste Management Branch

DEPTH FT.	DESCRIPTION
0.0	Light Gray to Brown Fine Sandy Micaceous SILT (ML) Trace Quartz Fragments
16.0	Light Gray Micaceous Silty Fine SAND (SM)
27.0	Partially Weathered MICA SHIST
28.0	Split Spoon Refusal @ 28.0'

ELEV. ●PENETRATION-BLOWS PER FT.



BORING AND SAMPLING MEETS ASTM D-1586
CORE DRILLING MEETS ASTM D-2113

PENETRATION IS THE NUMBER OF BLOWS OF 140 LB. HAMMER, FALLING 30 IN. REQUIRED TO DRIVE 1.4 IN. I.D. SAMPLER 1 FT.

UNDISTURBED SAMPLE
50 % ROCK CORE RECOVERY
◀ LOSS OF DRILLING WATER
WATER TABLE-24HR.
WATER TABLE-1HR.

TEST BORING RECORD

BORING NO. MW-3
DATE DRILLED 10-10-89
JOB NO. 4112-89-123

Westinghouse

Well Number: MW-3 Drilling Method: HOLLOW STEM AUGERS

Date Started: 10/10/89 Drilling Fluids: NONE

Date Finished: 10/10/89 Static Water Level: 5.22 Date: 12-6-89

Geologist/Engineer: T. TAYLOR Observed By:

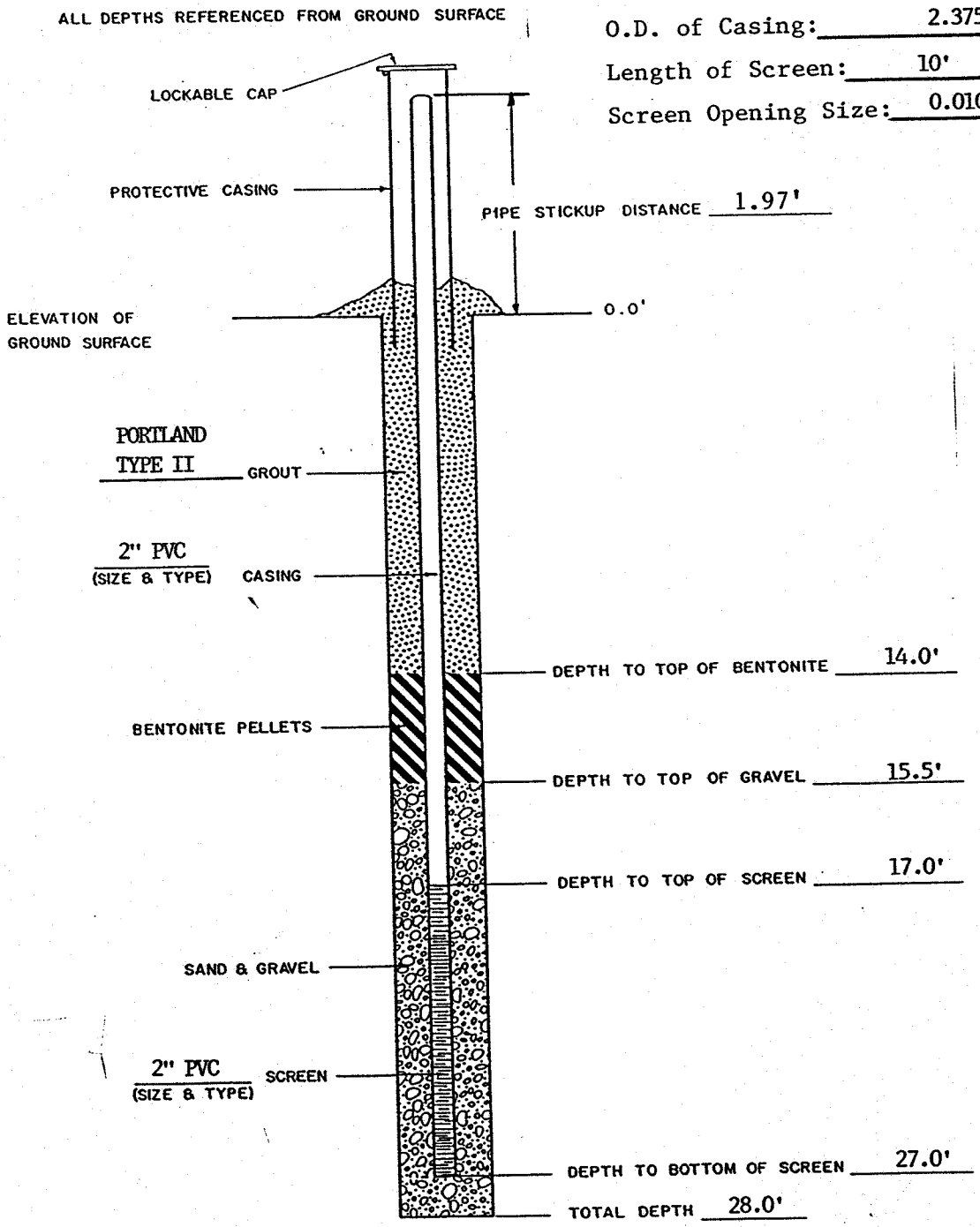
Remarks:

O.D. of Borehole: 8"

O.D. of Casing: 2.375"

Length of Screen: 10'

Screen Opening Size: 0.010"



PROJECT 5.22

WARREN CO. LANDFILL
WARRENTON, NC

Westinghouse

SCALE: NTS
JOB NO: 4112-89-123
FIG. NO:

RT CAROLINA DEPARTMENT OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT
DIVISION OF ENVIRONMENTAL MANAGEMENT - GROUNDWATER SECTION
P.O. BOX 27687 - RALEIGH,N.C. 27611, PHONE (919) 733-5083

FOR OFFICE USE ONLY
Quad. No. _____ Serial No. _____
Lat. _____ Long. _____ Pc _____
Minor Basin _____
Basin Code _____
Header Ent. _____ GW-1 Ent. _____

WELL CONSTRUCTION RECORD

ILLING CONTRACTOR WESTINGHOUSE

ILLER REGISTRATION NUMBER 412

STATE WELL CONSTRUCTION PERMIT NUMBER: 92-0051-WM-0013

ELL LOCATION: (Show sketch of the location below)

ea est Town: WARRENTON

County: WARREN

Road, Community, or Subdivision and Lot No.)

WNER WARREN COUNTY

DDRESS 540 WEST RIDGEWAY (Street or Route No.)

WARRENTON (City or Town) NC (State) 27589 (Zip Code)

DATE DRILLED 10/10/89 USE OF WELL MONITOR

TOTAL DEPTH 28.0 CUTTINGS COLLECTED ☒ Yes ☐ No

DOES WELL REPLACE EXISTING WELL? ☐ Yes ☒ No

STATIC WATER LEVEL: 5.22 FT. ☐ above ☒ below TOP OF CASING,

TOP OF CASING IS 1.97 FT. ABOVE LAND SURFACE.

YIELD (gpm): _____ METHOD OF TEST _____

WATER ZONES (depth): _____

CHLORINATION: Type _____ Amount _____

CASING:

	Depth		Diameter	Wall Thickness or Weight/Ft.	Material
From	17.0	To _____ Ft.	2"	0.188	PVC
From		To _____ Ft.			
From		To _____ Ft.			

GROUT:

	Depth		Material	Method
From	14.0	To 0.0 Ft.	PORTLAND CEMENT	POUR
From	15.5	To 14.0 Ft.	"HOLE PLUG" BENTONITE	POUR

. SCREEN:

	Depth		Diameter	Slot Size	Material
From	27.0	To 17.0 Ft.	2" in.	0.010 in.	PVC
From		To _____ Ft.	in.	in.	
From		To _____ Ft.	in.	in.	

3. GRAVEL PACK:

	Depth		Size	Material
From	27.0	To 15.5 Ft.	FINE	QUARTZ SAND
From		To _____ Ft.		

4. REMARKS: _____

DRILLING LOG

Depth From	To	Formation Description
0.0	16.0	Light Gray To Brown Fine Sandy Micaceous SILT (ML) Trace Quartz Fragments
16.0	27.0	Light Gray Micaceous Silty Fine SAND (SM)
27.0	28.0	Partially Weathered MICA SHIST

If additional space is needed use back of form.

LOCATION SKETCH

(Show direction and distance from at least two State Roads, or other map reference points)

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15 NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Thomas L. Tyler 10-23-89

SIGNATURE OF CONTRACTOR OR AGENT DATE

Submit original to Division of Environmental Management and copy to well owner.

N. C. Department of Human Resources
Division of Health Services

WELL COMPLETION RECORD

IPLETE ALL INFORMATION REQUESTED BELOW FOR EACH WELL INSTALLED, AND RETURN FORM TO THE N.C. ARTMENT OF HUMAN RESOURCES, SOLID AND HAZARDOUS WASTE MANAGEMENT BRANCH, OX 2091, RALEIGH, N.C. 27602

MW-3

E OF SITE: WARREN COUNTY LANDFILL	PERMIT NO.: 93-01
RESS: 540 WEST RIDGEWAY , WARRENTON, NC 27589	OWNER (print): WARREN COUNTY
LING CONTRACTOR: WESTINGHOUSE DRILLING	REGISTRATION NO.: 412

g Type: PVC dia. 2 in.
g Depth: from 17.0 to 1.97 ft. - dia. ____ in.
n Type: PVC dia. 2 in.
n Depth: from 27.0 to 17.0 ft. - dia. ____ in.

Grout Depth: from 14.0 to 0.0 ft. - dia. 8 in.
Bentonite Seal: from 15.5 to 14.0 ft. - dia. 8 in.
Sand/Gravel PK: from 27.0 to 15.5 ft. - dia. 8 in.
Total Well Depth: from 27.0 to ____ ft. - dia. 8 in.

: ater Level: 5.22 feet from top of casing — Date Measured ___/___/___

(gpm): ____ Method of Testing: ____ Casing is ____ feet above land surface

DRILLING LOG

DEPTH FROM	TO	FORMATION DESCRIPTION
.0	16.0	Light Gray To Brown Fine Sandy Micaceous SILT (ML) Trace Quartz Fragments
5.	27.0	Light Gray Micaceous Silty Fine SAND (SM)
7.	28.0	Partially Weathered MICA SCHIST

LOCATION SKETCH

(show distance to numbered roads, or other map reference points)

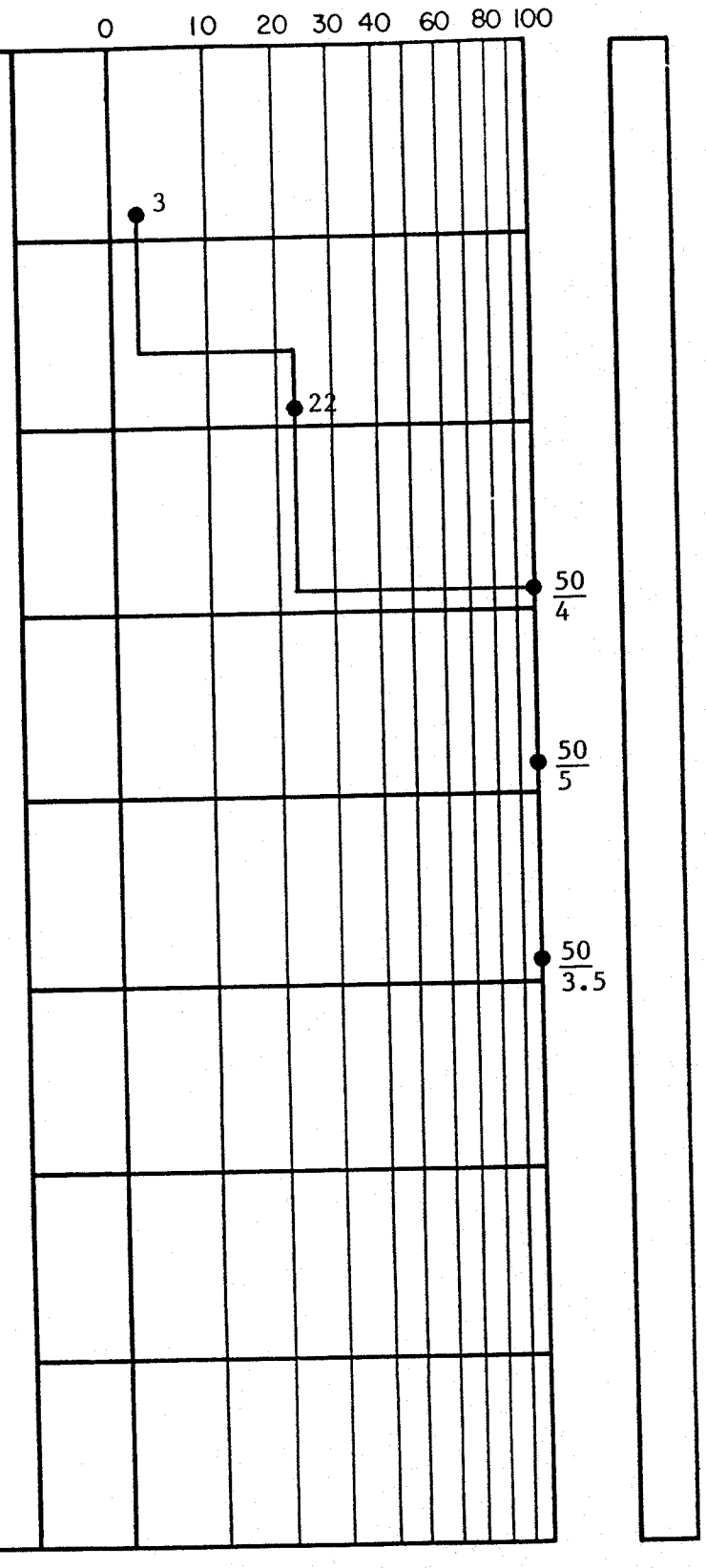
MARKS:

ATE: 10/17/89 SIGNATURE: Thomas W. Tyler

S 42 (6/85)
d & Hazardous Waste Management Branch

DEPTH FT.	DESCRIPTION
0.0	Gray to Red Fine Sandy Micaceous SILT (ML)
8.0	Greenish-Gray Micaceous SILT (ML)
.5	Tan to Gray Fine Sandy Micaceous SILT (ML) with Rock Fragments
.0	Gray Fine Sandy Micaceous SILT (ML) Saprolite
3.5	Boring Terminated @ 23.5'

ELEV. ●PENETRATION-BLOWS PER FT.



TEST BORING RECORD

BORING AND SAMPLING MEETS ASTM D-1586
CORE DRILLING MEETS ASTM D-2113

PENETRATION IS THE NUMBER OF BLOWS OF 140 LB. HAMMER, FALLING 30 IN. REQUIRED TO DRIVE 1.4 IN. I.D. SAMPLER 1 FT.

UNDISTURBED SAMPLE
50 % ROCK CORE RECOVERY
◀ LOSS OF DRILLING WATER
WATER TABLE-24HR.
WATER TABLE-1HR.

BORING NO. MW-4
DATE DRILLED 10-10-89
JOB NO. 4112-89-123

Westinghouse

Well Number: MW-4 Drilling Method: HOLLOW STEM AUGERS

Date Started: 10/10/89 Drilling Fluids: none

Date Finished: 10/10/89 Static Water Level: 4.33 Date: 12-6-89

Geologist/Engineer: T. TAYLOR Observed By:

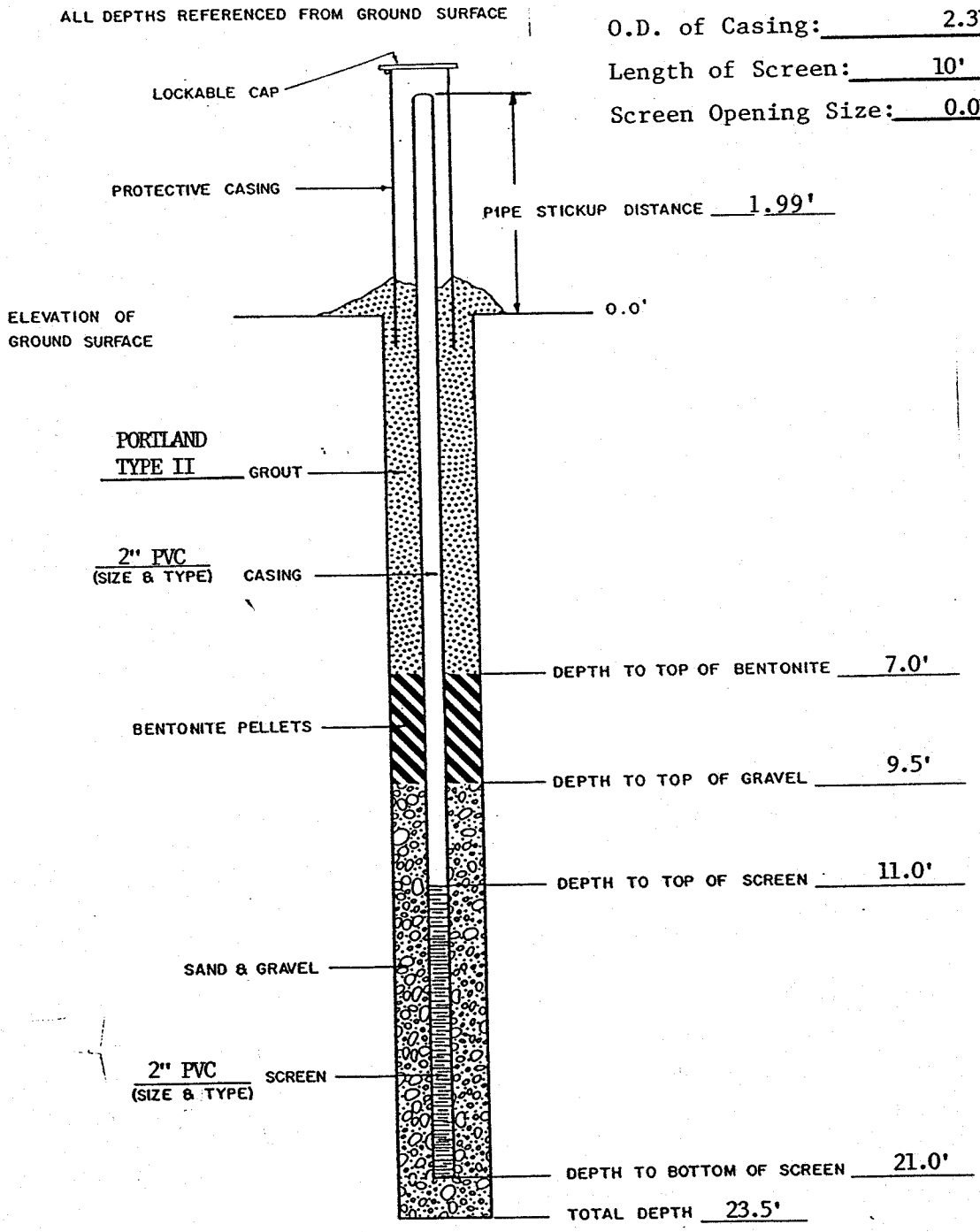
Remarks:

O.D. of Borehole: 8"

O.D. of Casing: 2.375"

Length of Screen: 10'

Screen Opening Size: 0.010"



PROJECT 4.33

WARREN CO. LANDFILL
WARRENTON, NC

Westinghouse

SCALE: NTS

JOB NO: 4112-89-123

FIG. NO:

DUNCAN-PARNELL, INC., RALEIGH 566 919-833-4677

CAROLINA DEPARTMENT OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT
DIVISION OF ENVIRONMENTAL MANAGEMENT - GROUNDWATER SECTION
P.O. BOX 27687 - RALEIGH,N.C. 27611, PHONE (919) 733-5083

FOR OFFICE USE ONLY

Quad. No. _____ Serial No. _____
Lat. _____ Long. _____ Pc _____
Minor Basin _____
Basin Code _____
Header Ent. _____ GW-1 Ent. _____

WELL CONSTRUCTION RECORD MW-4

ILLING CONTRACTOR: WESTINGHOUSE

ILLER REGISTRATION NUMBER: 412

STATE WELL CONSTRUCTION PERMIT NUMBER: 92-0051-WM-0013

VELL LOCATION: (Show sketch of the location below)

Nearest Town: WARRENTON

County: WARREN

Road, Community, or Subdivision and Lot No.)

OWNER: WARREN COUNTY

ADDRESS: 540 WEST RIDGEWAY (Street or Route No.)

WARRENTON (City or Town) NC (State) 27589 (Zip Code)

DATE DRILLED: 10/10/89 USE OF WELL: MONITOR

TOTAL DEPTH: 23.5 CUTTINGS COLLECTED: [X] Yes [ ] No

DOES WELL REPLACE EXISTING WELL? [ ] Yes [X] No

STATIC WATER LEVEL: 4.33 FT. [ ] above [X] below TOP OF CASING,

TOP OF CASING IS 1.99 FT. ABOVE LAND SURFACE.

YIELD (gpm): _____ METHOD OF TEST _____

WATER ZONES (depth): _____

CHLORINATION: Type _____ Amount _____

CASING:

From	To	Ft.	Diameter	Wall Thickness or Weight/Ft.	Material
11.0			2"	0.188	PVC

GROUT:

From	To	Ft.	Material	Method
7.0	0.0		PORTLAND CEMENT	POUR
9.5	7.0		"HOLE PLUG" BENTONITE	POUR

SCREEN:

From	To	Ft.	Diameter	in.	Slot Size	in.	Material
21.0	11.0		2"		0.010		PVC

GRAVEL PACK:

From	To	Ft.	Size	Material
23.5	9.5		FINE	QUARTZ SAND

REMARKS: _____

DRILLING LOG

Depth From	Depth To	Formation Description
0.0	8.0	Gray to Red Fine Sandy Micaceous SILT (ML)
8.0	14.5	Greenish - Gray Micaceous SILT (ML)
14.5	20.0	Tan To Gray Fine Sandy Micaceous SILT (ML) With Rock Fragments
20.0	23.5	Gray Fine Sandy Micaceous SILT (ML) - SAPROLITE

If additional space is needed use back of form.

LOCATION SKETCH

(Show direction and distance from at least two State Roads, or other map reference points)

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15 NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Thomas [illegible] 10/23/89

SIGNATURE OF CONTRACTOR OR AGENT DATE

Submit original to Division of Environmental Management and copy to well owner.

N. C. Department of Human Resources
Division of Health Services

WELL COMPLETION RECORD

(PLETE ALL INFORMATION REQUESTED BELOW FOR EACH WELL INSTALLED, AND RETURN FORM TO THE N.C. A TMENT OF HUMAN RESOURCES, SOLID AND HAZARDOUS WASTE MANAGEMENT BRANCH, B X 2091, RALEIGH, N.C. 27602

MW-4

E F SITE: WARREN COUNTY LANDFILL	PERMIT NO.: 93-01
R S: 540 WEST RIDGEWAY , WARRENTON, NC 27589	OWNER (print): WARREN COUNTY
.LING CONTRACTOR: WESTINGHOUSE DRILLING	REGISTRATION NO.: 412

g Type: PVC dia. 2 in.
g epth: from 17.0 to 1.99 ft. - dia. ____ in.
n Type: PVC dia. 2 in.
n Depth: from 27.0 to 17.0 ft. - dia. ____ in.

Grout Depth: from 14.0 to 0.0 ft. - dia. 8 in.
Bentonite Seal: from 15.5 to 14.0 ft. - dia. 8 in.
Sand/Gravel PK: from 27.0 to 15.5 ft. - dia. 8 in.
Total Well Depth: from 27.0 to ____ ft. - dia. 8 in.

: ater Level: 4.33 feet from top of casing — Date Measured ___/___/___

. (gpm): ____ Method of Testing: ____ Casing is ____ feet above land surface

DRILLING LOG

DEPTH FROM	TO	FORMATION DESCRIPTION
.0	8.0	Gray To Red Fine Sandy Micaceous SILT (ML)
.0	14.5	Greenish - Gray Micaceous SILT (ML)
.5	20.0	Tan To Gray Fine Sandy Micaceous SILT (ML) With Rock Fragments
).0	23.5	Gray Fine Sandy Micaceous SILT (ML)- SAPROLITE

LOCATION SKETCH

(show distance to numbered roads, or other map reference points)

:M RKS: ____

ATE: 10/17/89 SIGNATURE: Thomas L. Taylor

HS 42 (6/85)
lid & Hazardous Waste Management Branch

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APPENDIX B

Laboratory Analytical Results

September 2015 Groundwater Monitoring Report
Warren County Landfill
Solid Waste Permit No. 93-01

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PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert No. 37735
VA Certification No. 460211
DoD ELAP: L-A-B Accredited Certificate No. L2307
ISO/IEC 17025: L-A-B Accredited Certificate No. L2307

Case Narrative

10/02/2015

Smith + Gardner, Inc.
Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Lab Submittal Date: 09/22/2015
Prism Work Order: 5090370

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

Angela D. Overcash
VP Laboratory Services

Reviewed By Terri W. Cole For Angela D. Overcash
Project Manager

Data Qualifiers Key Reference:

A	CCV result below the control limit. Analyte not detected in the sample down to the MDL. No further action taken.
Aa	MB greater than one half of the RL, but the sample concentrations are either less than the reporting limit or greater than 10x the MB.
B	Analyte is found in the associated blank at a concentration >1/2 RL.
BH	MB greater than one half of the RL, but the sample concentrations are greater than 10x the MB.
BL	MB greater than one half of the RL, but the sample concentrations are less than the RL.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
LH	High LCS recovery. Analyte not detected in the sample(s). No further action taken.
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

Sample Receipt Summary

10/02/2015

Prism Work Order: 5090370

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
MW-1A	5090370-01	Water	09/18/15	09/22/15
MW-2	5090370-02	Water	09/18/15	09/22/15
MW-3	5090370-03	Water	09/18/15	09/22/15
MW-4	5090370-04	Water	09/18/15	09/22/15
SW-2	5090370-05	Water	09/18/15	09/22/15
SW-3	5090370-06	Water	09/18/15	09/22/15
Trip Blank	5090370-07	Water	09/21/15	09/22/15

Samples were received in good condition at 2.2 degrees C unless otherwise noted.

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Summary of Detections

10/02/2015

Prism Work Order: 5090370

Prism ID	Client ID	Parameter	Method	Result		Units
5090370-01	MW-1A	Barium	6020A	54		ug/L
5090370-01	MW-1A	Beryllium	6020A	1.5		ug/L
5090370-01	MW-1A	Cadmium	6020A	0.27	J	ug/L
5090370-01	MW-1A	Chromium	6020A	2.4		ug/L
5090370-01	MW-1A	Cobalt	6020A	13		ug/L
5090370-01	MW-1A	Copper	6020A	6.7		ug/L
5090370-01	MW-1A	Lead	6020A	5.7		ug/L
5090370-01	MW-1A	Nickel	6020A	9.2		ug/L
5090370-01	MW-1A	Silver	6020A	0.023	J	ug/L
5090370-01	MW-1A	Thallium	6020A	0.43	J	ug/L
5090370-01	MW-1A	Vanadium	6020A	6.8		ug/L
5090370-01	MW-1A	Zinc	6020A	49		ug/L
5090370-01	MW-1A	1,4-Dichlorobenzene	8260B	2.4		ug/L
5090370-01	MW-1A	Acetone	8260B	4.3	J	ug/L
5090370-01	MW-1A	Benzene	8260B	1.2		ug/L
5090370-01	MW-1A	Methylene Chloride	8260B	0.75	J	ug/L
5090370-01	MW-1A	o-Xylene	8260B	0.72		ug/L
5090370-01	MW-1A	Xylenes, total	8260B	0.72	J	ug/L
5090370-02	MW-2	Barium	6020A	96		ug/L
5090370-02	MW-2	Beryllium	6020A	0.21	J	ug/L
5090370-02	MW-2	Cadmium	6020A	0.24	J	ug/L
5090370-02	MW-2	Chromium	6020A	2.3		ug/L
5090370-02	MW-2	Cobalt	6020A	37		ug/L
5090370-02	MW-2	Copper	6020A	3.5	J	ug/L
5090370-02	MW-2	Lead	6020A	1.4		ug/L
5090370-02	MW-2	Nickel	6020A	2.1		ug/L
5090370-02	MW-2	Silver	6020A	0.023	J	ug/L
5090370-02	MW-2	Thallium	6020A	0.12	J	ug/L
5090370-02	MW-2	Vanadium	6020A	5.3		ug/L
5090370-02	MW-2	Zinc	6020A	32		ug/L
5090370-02	MW-2	1,4-Dichlorobenzene	8260B	1.5		ug/L
5090370-02	MW-2	Benzene	8260B	0.94		ug/L
5090370-02	MW-2	Chlorobenzene	8260B	0.55		ug/L
5090370-02	MW-2	Chloroethane	8260B	0.91		ug/L
5090370-02	MW-2	cis-1,2-Dichloroethylene	8260B	0.54		ug/L
5090370-03	MW-3	Arsenic	6020A	0.34	J	ug/L
5090370-03	MW-3	Barium	6020A	58		ug/L
5090370-03	MW-3	Beryllium	6020A	0.057	J	ug/L
5090370-03	MW-3	Cadmium	6020A	0.14	J	ug/L
5090370-03	MW-3	Chromium	6020A	2.7		ug/L
5090370-03	MW-3	Cobalt	6020A	0.16	J	ug/L
5090370-03	MW-3	Copper	6020A	0.99	J	ug/L
5090370-03	MW-3	Lead	6020A	0.18	J	ug/L
5090370-03	MW-3	Nickel	6020A	1.6	J	ug/L

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Summary of Detections

10/02/2015

Prism Work Order: 5090370

Prism ID	Client ID	Parameter	Method	Result		Units
5090370-03	MW-3	Silver	6020A	0.031	J	ug/L
5090370-03	MW-3	Zinc	6020A	5.4	BL, J, B	ug/L
5090370-03	MW-3	1,1-Dichloroethane	8260B	0.61		ug/L
5090370-03	MW-3	1,4-Dichlorobenzene	8260B	0.70		ug/L
5090370-03	MW-3	Benzene	8260B	0.91		ug/L
5090370-03	MW-3	Chlorobenzene	8260B	0.59		ug/L
5090370-03	MW-3	o-Xylene	8260B	0.71		ug/L
5090370-03	MW-3	Xylenes, total	8260B	0.71	J	ug/L
5090370-04	MW-4	Barium	6020A	120		ug/L
5090370-04	MW-4	Beryllium	6020A	0.40	J	ug/L
5090370-04	MW-4	Cadmium	6020A	0.10	J	ug/L
5090370-04	MW-4	Chromium	6020A	16	BH, B	ug/L
5090370-04	MW-4	Cobalt	6020A	4.3		ug/L
5090370-04	MW-4	Copper	6020A	18		ug/L
5090370-04	MW-4	Lead	6020A	2.4		ug/L
5090370-04	MW-4	Nickel	6020A	16		ug/L
5090370-04	MW-4	Selenium	6020A	0.53	J	ug/L
5090370-04	MW-4	Silver	6020A	0.035	J	ug/L
5090370-04	MW-4	Thallium	6020A	0.058	J	ug/L
5090370-04	MW-4	Vanadium	6020A	11		ug/L
5090370-04	MW-4	Zinc	6020A	25		ug/L
5090370-04	MW-4	Benzene	8260B	0.95		ug/L
5090370-05	SW-2	Barium	6020A	45		ug/L
5090370-05	SW-2	Cadmium	6020A	0.079	J	ug/L
5090370-05	SW-2	Chromium	6020A	0.77	BL, J, B	ug/L
5090370-05	SW-2	Cobalt	6020A	2.4		ug/L
5090370-05	SW-2	Copper	6020A	0.44	J	ug/L
5090370-05	SW-2	Lead	6020A	0.096	J	ug/L
5090370-05	SW-2	Nickel	6020A	1.9	J	ug/L
5090370-05	SW-2	Zinc	6020A	4.2	BL, J, B	ug/L
5090370-05	SW-2	Benzene	8260B	0.71		ug/L
5090370-05	SW-2	Toluene	8260B	0.70		ug/L
5090370-06	SW-3	Barium	6020A	56		ug/L
5090370-06	SW-3	Cadmium	6020A	0.050	J	ug/L
5090370-06	SW-3	Chromium	6020A	0.70	J	ug/L
5090370-06	SW-3	Cobalt	6020A	2.5		ug/L
5090370-06	SW-3	Copper	6020A	0.67	J	ug/L
5090370-06	SW-3	Lead	6020A	0.18	J	ug/L
5090370-06	SW-3	Nickel	6020A	0.69	J	ug/L
5090370-06	SW-3	Zinc	6020A	3.7	BL, J, B	ug/L

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Laboratory Report

10/02/2015

Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Sample Matrix: Water

Client Sample ID: MW-1A
Prism Sample ID: 5090370-01
Prism Work Order: 5090370
Time Collected: 09/18/15 12:25
Time Submitted: 09/22/15 08:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Antimony	BRL	ug/L	1.0	0.069	1	6020A	9/25/15 17:30	BGM	P5I0468
Arsenic	BRL	ug/L	1.0	0.29	1	6020A	9/25/15 17:30	BGM	P5I0468
Barium	**54**	**ug/L**	**5.0**	**0.041**	**1**	**6020A**	**9/25/15 17:30**	**BGM**	**P5I0468**
Beryllium	**1.5**	**ug/L**	**1.0**	**0.047**	**1**	**6020A**	**9/25/15 17:30**	**BGM**	**P5I0468**
Cadmium	**0.27 J**	**ug/L**	**1.0**	**0.019**	**1**	**6020A**	**9/25/15 17:30**	**BGM**	**P5I0468**
Chromium	**2.4**	**ug/L**	**1.0**	**0.51**	**1**	**6020A**	**9/30/15 17:05**	**BGM**	**P5I0562**
Cobalt	**13**	**ug/L**	**1.0**	**0.013**	**1**	**6020A**	**9/25/15 17:30**	**BGM**	**P5I0468**
Copper	**6.7**	**ug/L**	**5.0**	**0.44**	**1**	**6020A**	**9/25/15 17:30**	**BGM**	**P5I0468**
Lead	**5.7**	**ug/L**	**1.0**	**0.020**	**1**	**6020A**	**9/25/15 17:30**	**BGM**	**P5I0468**
Nickel	**9.2**	**ug/L**	**2.0**	**0.053**	**1**	**6020A**	**9/30/15 17:05**	**BGM**	**P5I0562**
Selenium	BRL	ug/L	1.0	0.35	1	6020A	9/25/15 17:30	BGM	P5I0468
Silver	**0.023 J**	**ug/L**	**1.0**	**0.011**	**1**	**6020A**	**9/25/15 17:30**	**BGM**	**P5I0468**
Thallium	**0.43 J**	**ug/L**	**1.0**	**0.0093**	**1**	**6020A**	**9/25/15 17:30**	**BGM**	**P5I0468**
Vanadium	**6.8**	**ug/L**	**5.0**	**2.5**	**1**	**6020A**	**9/25/15 17:30**	**BGM**	**P5I0468**
Zinc	**49**	**ug/L**	**10**	**0.98**	**1**	**6020A**	**9/30/15 17:05**	**BGM**	**P5I0562**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 22:10	KDM	P5I0526
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	9/28/15 22:10	KDM	P5I0526
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	9/28/15 22:10	KDM	P5I0526
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	9/28/15 22:10	KDM	P5I0526
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	9/28/15 22:10	KDM	P5I0526
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	9/28/15 22:10	KDM	P5I0526
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	9/28/15 22:10	KDM	P5I0526
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	9/28/15 22:10	KDM	P5I0526
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	9/28/15 22:10	KDM	P5I0526
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	9/28/15 22:10	KDM	P5I0526
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	9/28/15 22:10	KDM	P5I0526
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 22:10	KDM	P5I0526
1,4-Dichlorobenzene	**2.4**	**ug/L**	**0.50**	**0.050**	**1**	**8260B**	**9/28/15 22:10**	**KDM**	**P5I0526**
Acetone	**4.3 J**	**ug/L**	**5.0**	**0.31**	**1**	**8260B**	**9/28/15 22:10**	**KDM**	**P5I0526**
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	9/28/15 22:10	KDM	P5I0526
Benzene	**1.2**	**ug/L**	**0.50**	**0.048**	**1**	**8260B**	**9/28/15 22:10**	**KDM**	**P5I0526**
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	9/28/15 22:10	KDM	P5I0526
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	9/28/15 22:10	KDM	P5I0526
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	9/28/15 22:10	KDM	P5I0526
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	9/28/15 22:10	KDM	P5I0526
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	9/28/15 22:10	KDM	P5I0526
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 22:10	KDM	P5I0526
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	9/28/15 22:10	KDM	P5I0526
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	9/28/15 22:10	KDM	P5I0526
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	9/28/15 22:10	KDM	P5I0526

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Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Sample Matrix: Water

Client Sample ID: MW-1A
Prism Sample ID: 5090370-01
Prism Work Order: 5090370
Time Collected: 09/18/15 12:25
Time Submitted: 09/22/15 08:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	9/28/15 22:10	KDM	P5I0526
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	9/28/15 22:10	KDM	P5I0526
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	9/28/15 22:10	KDM	P5I0526
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	9/28/15 22:10	KDM	P5I0526
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	9/28/15 22:10	KDM	P5I0526
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	9/28/15 22:10	KDM	P5I0526
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	9/28/15 22:10	KDM	P5I0526
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	9/28/15 22:10	KDM	P5I0526
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	9/28/15 22:10	KDM	P5I0526
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	9/28/15 22:10	KDM	P5I0526
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	9/28/15 22:10	KDM	P5I0526
Methylene Chloride	**0.75 J**	**ug/L**	**1.0**	**0.083**	**1**	**8260B**	**9/28/15 22:10**	**KDM**	**P5I0526**
o-Xylene	**0.72**	**ug/L**	**0.50**	**0.044**	**1**	**8260B**	**9/28/15 22:10**	**KDM**	**P5I0526**
Styrene	BRL	ug/L	0.50	0.047	1	8260B	9/28/15 22:10	KDM	P5I0526
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	9/28/15 22:10	KDM	P5I0526
Toluene	BRL	ug/L	0.50	0.044	1	8260B	9/28/15 22:10	KDM	P5I0526
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	9/28/15 22:10	KDM	P5I0526
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	9/28/15 22:10	KDM	P5I0526
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	9/28/15 22:10	KDM	P5I0526
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	9/28/15 22:10	KDM	P5I0526
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	9/28/15 22:10	KDM	P5I0526
Vinyl acetate	BRL A	ug/L	2.0	0.060	1	8260B	9/28/15 22:10	KDM	P5I0526
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	9/28/15 22:10	KDM	P5I0526
Xylenes, total	**0.72 J**	**ug/L**	**3.0**	**0.15**	**1**	**8260B**	**9/28/15 22:10**	**KDM**	**P5I0526**

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*96 %*	*80-124*
Dibromofluoromethane	*97 %*	*75-129*
Toluene-d8	*89 %*	*77-123*

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Laboratory Report

10/02/2015

Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Sample Matrix: Water

Client Sample ID: MW-2
Prism Sample ID: 5090370-02
Prism Work Order: 5090370
Time Collected: 09/18/15 11:47
Time Submitted: 09/22/15 08:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Antimony	BRL	ug/L	1.0	0.069	1	6020A	9/25/15 17:34	BGM	P5I0468
Arsenic	BRL	ug/L	1.0	0.29	1	6020A	9/25/15 17:34	BGM	P5I0468
Barium	**96**	**ug/L**	**5.0**	**0.041**	**1**	**6020A**	**9/25/15 17:34**	**BGM**	**P5I0468**
Beryllium	**0.21 J**	**ug/L**	**1.0**	**0.047**	**1**	**6020A**	**9/25/15 17:34**	**BGM**	**P5I0468**
Cadmium	**0.24 J**	**ug/L**	**1.0**	**0.019**	**1**	**6020A**	**9/25/15 17:34**	**BGM**	**P5I0468**
Chromium	**2.3**	**ug/L**	**1.0**	**0.51**	**1**	**6020A**	**9/30/15 17:08**	**BGM**	**P5I0562**
Cobalt	**37**	**ug/L**	**1.0**	**0.013**	**1**	**6020A**	**9/25/15 17:34**	**BGM**	**P5I0468**
Copper	**3.5 J**	**ug/L**	**5.0**	**0.44**	**1**	**6020A**	**9/25/15 17:34**	**BGM**	**P5I0468**
Lead	**1.4**	**ug/L**	**1.0**	**0.020**	**1**	**6020A**	**9/25/15 17:34**	**BGM**	**P5I0468**
Nickel	**2.1**	**ug/L**	**2.0**	**0.053**	**1**	**6020A**	**9/30/15 17:08**	**BGM**	**P5I0562**
Selenium	BRL	ug/L	1.0	0.35	1	6020A	9/25/15 17:34	BGM	P5I0468
Silver	**0.023 J**	**ug/L**	**1.0**	**0.011**	**1**	**6020A**	**9/25/15 17:34**	**BGM**	**P5I0468**
Thallium	**0.12 J**	**ug/L**	**1.0**	**0.0093**	**1**	**6020A**	**9/25/15 17:34**	**BGM**	**P5I0468**
Vanadium	**5.3**	**ug/L**	**5.0**	**2.5**	**1**	**6020A**	**9/25/15 17:34**	**BGM**	**P5I0468**
Zinc	**32**	**ug/L**	**10**	**0.98**	**1**	**6020A**	**9/30/15 17:08**	**BGM**	**P5I0562**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 23:01	KDM	P5I0526
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	9/28/15 23:01	KDM	P5I0526
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	9/28/15 23:01	KDM	P5I0526
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	9/28/15 23:01	KDM	P5I0526
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	9/28/15 23:01	KDM	P5I0526
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	9/28/15 23:01	KDM	P5I0526
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	9/28/15 23:01	KDM	P5I0526
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	9/28/15 23:01	KDM	P5I0526
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	9/28/15 23:01	KDM	P5I0526
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	9/28/15 23:01	KDM	P5I0526
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	9/28/15 23:01	KDM	P5I0526
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 23:01	KDM	P5I0526
1,4-Dichlorobenzene	**1.5**	**ug/L**	**0.50**	**0.050**	**1**	**8260B**	**9/28/15 23:01**	**KDM**	**P5I0526**
Acetone	BRL	ug/L	5.0	0.31	1	8260B	9/28/15 23:01	KDM	P5I0526
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	9/28/15 23:01	KDM	P5I0526
Benzene	**0.94**	**ug/L**	**0.50**	**0.048**	**1**	**8260B**	**9/28/15 23:01**	**KDM**	**P5I0526**
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	9/28/15 23:01	KDM	P5I0526
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	9/28/15 23:01	KDM	P5I0526
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	9/28/15 23:01	KDM	P5I0526
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	9/28/15 23:01	KDM	P5I0526
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	9/28/15 23:01	KDM	P5I0526
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 23:01	KDM	P5I0526
Chlorobenzene	**0.55**	**ug/L**	**0.50**	**0.062**	**1**	**8260B**	**9/28/15 23:01**	**KDM**	**P5I0526**
Chloroethane	**0.91**	**ug/L**	**0.50**	**0.22**	**1**	**8260B**	**9/28/15 23:01**	**KDM**	**P5I0526**
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	9/28/15 23:01	KDM	P5I0526

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Laboratory Report

10/02/2015

Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Sample Matrix: Water

Client Sample ID: MW-2
Prism Sample ID: 5090370-02
Prism Work Order: 5090370
Time Collected: 09/18/15 11:47
Time Submitted: 09/22/15 08:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	9/28/15 23:01	KDM	P5I0526
cis-1,2-Dichloroethylene	**0.54**	**ug/L**	**0.50**	**0.056**	**1**	**8260B**	**9/28/15 23:01**	**KDM**	**P5I0526**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	9/28/15 23:01	KDM	P5I0526
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	9/28/15 23:01	KDM	P5I0526
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	9/28/15 23:01	KDM	P5I0526
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	9/28/15 23:01	KDM	P5I0526
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	9/28/15 23:01	KDM	P5I0526
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	9/28/15 23:01	KDM	P5I0526
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	9/28/15 23:01	KDM	P5I0526
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	9/28/15 23:01	KDM	P5I0526
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	9/28/15 23:01	KDM	P5I0526
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	9/28/15 23:01	KDM	P5I0526
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	9/28/15 23:01	KDM	P5I0526
Styrene	BRL	ug/L	0.50	0.047	1	8260B	9/28/15 23:01	KDM	P5I0526
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	9/28/15 23:01	KDM	P5I0526
Toluene	BRL	ug/L	0.50	0.044	1	8260B	9/28/15 23:01	KDM	P5I0526
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	9/28/15 23:01	KDM	P5I0526
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	9/28/15 23:01	KDM	P5I0526
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	9/28/15 23:01	KDM	P5I0526
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	9/28/15 23:01	KDM	P5I0526
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	9/28/15 23:01	KDM	P5I0526
Vinyl acetate	BRL A	ug/L	2.0	0.060	1	8260B	9/28/15 23:01	KDM	P5I0526
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	9/28/15 23:01	KDM	P5I0526
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	9/28/15 23:01	KDM	P5I0526

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*94 %*	*80-124*
Dibromofluoromethane	*97 %*	*75-129*
Toluene-d8	*88 %*	*77-123*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Sample Matrix: Water

Client Sample ID: MW-3
Prism Sample ID: 5090370-03
Prism Work Order: 5090370
Time Collected: 09/18/15 11:28
Time Submitted: 09/22/15 08:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Antimony	BRL	ug/L	1.0	0.069	1	6020A	9/25/15 17:38	BGM	P5I0468
Arsenic	**0.34 J**	**ug/L**	**1.0**	**0.29**	**1**	**6020A**	**9/25/15 17:38**	**BGM**	**P5I0468**
Barium	**58**	**ug/L**	**5.0**	**0.041**	**1**	**6020A**	**9/25/15 17:38**	**BGM**	**P5I0468**
Beryllium	**0.057 J**	**ug/L**	**1.0**	**0.047**	**1**	**6020A**	**9/25/15 17:38**	**BGM**	**P5I0468**
Cadmium	**0.14 J**	**ug/L**	**1.0**	**0.019**	**1**	**6020A**	**9/25/15 17:38**	**BGM**	**P5I0468**
Chromium	**2.7**	**ug/L**	**1.0**	**0.51**	**1**	**6020A**	**9/30/15 17:12**	**BGM**	**P5I0562**
Cobalt	**0.16 J**	**ug/L**	**1.0**	**0.013**	**1**	**6020A**	**9/25/15 17:38**	**BGM**	**P5I0468**
Copper	**0.99 J**	**ug/L**	**5.0**	**0.44**	**1**	**6020A**	**9/25/15 17:38**	**BGM**	**P5I0468**
Lead	**0.18 J**	**ug/L**	**1.0**	**0.020**	**1**	**6020A**	**9/25/15 17:38**	**BGM**	**P5I0468**
Nickel	**1.6 J**	**ug/L**	**2.0**	**0.053**	**1**	**6020A**	**9/30/15 17:12**	**BGM**	**P5I0562**
Selenium	BRL	ug/L	1.0	0.35	1	6020A	9/25/15 17:38	BGM	P5I0468
Silver	**0.031 J**	**ug/L**	**1.0**	**0.011**	**1**	**6020A**	**9/25/15 17:38**	**BGM**	**P5I0468**
Thallium	BRL	ug/L	1.0	0.0093	1	6020A	9/25/15 17:38	BGM	P5I0468
Vanadium	BRL	ug/L	5.0	2.5	1	6020A	9/25/15 17:38	BGM	P5I0468
Zinc	**5.4 BL, J, B**	**ug/L**	**10**	**0.98**	**1**	**6020A**	**9/25/15 17:38**	**BGM**	**P5I0468**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 23:52	KDM	P5I0526
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	9/28/15 23:52	KDM	P5I0526
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	9/28/15 23:52	KDM	P5I0526
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	9/28/15 23:52	KDM	P5I0526
1,1-Dichloroethane	**0.61**	**ug/L**	**0.50**	**0.083**	**1**	**8260B**	**9/28/15 23:52**	**KDM**	**P5I0526**
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	9/28/15 23:52	KDM	P5I0526
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	9/28/15 23:52	KDM	P5I0526
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	9/28/15 23:52	KDM	P5I0526
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	9/28/15 23:52	KDM	P5I0526
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	9/28/15 23:52	KDM	P5I0526
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	9/28/15 23:52	KDM	P5I0526
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 23:52	KDM	P5I0526
1,4-Dichlorobenzene	**0.70**	**ug/L**	**0.50**	**0.050**	**1**	**8260B**	**9/28/15 23:52**	**KDM**	**P5I0526**
Acetone	BRL	ug/L	5.0	0.31	1	8260B	9/28/15 23:52	KDM	P5I0526
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	9/28/15 23:52	KDM	P5I0526
Benzene	**0.91**	**ug/L**	**0.50**	**0.048**	**1**	**8260B**	**9/28/15 23:52**	**KDM**	**P5I0526**
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	9/28/15 23:52	KDM	P5I0526
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	9/28/15 23:52	KDM	P5I0526
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	9/28/15 23:52	KDM	P5I0526
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	9/28/15 23:52	KDM	P5I0526
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	9/28/15 23:52	KDM	P5I0526
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 23:52	KDM	P5I0526
Chlorobenzene	**0.59**	**ug/L**	**0.50**	**0.062**	**1**	**8260B**	**9/28/15 23:52**	**KDM**	**P5I0526**
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	9/28/15 23:52	KDM	P5I0526
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	9/28/15 23:52	KDM	P5I0526

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Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Sample Matrix: Water

Client Sample ID: MW-3
Prism Sample ID: 5090370-03
Prism Work Order: 5090370
Time Collected: 09/18/15 11:28
Time Submitted: 09/22/15 08:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	9/28/15 23:52	KDM	P5I0526
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	9/28/15 23:52	KDM	P5I0526
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	9/28/15 23:52	KDM	P5I0526
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	9/28/15 23:52	KDM	P5I0526
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	9/28/15 23:52	KDM	P5I0526
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	9/28/15 23:52	KDM	P5I0526
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	9/28/15 23:52	KDM	P5I0526
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	9/28/15 23:52	KDM	P5I0526
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	9/28/15 23:52	KDM	P5I0526
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	9/28/15 23:52	KDM	P5I0526
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	9/28/15 23:52	KDM	P5I0526
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	9/28/15 23:52	KDM	P5I0526
o-Xylene	**0.71**	**ug/L**	**0.50**	**0.044**	**1**	**8260B**	**9/28/15 23:52**	**KDM**	**P5I0526**
Styrene	BRL	ug/L	0.50	0.047	1	8260B	9/28/15 23:52	KDM	P5I0526
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	9/28/15 23:52	KDM	P5I0526
Toluene	BRL	ug/L	0.50	0.044	1	8260B	9/28/15 23:52	KDM	P5I0526
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	9/28/15 23:52	KDM	P5I0526
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	9/28/15 23:52	KDM	P5I0526
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	9/28/15 23:52	KDM	P5I0526
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	9/28/15 23:52	KDM	P5I0526
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	9/28/15 23:52	KDM	P5I0526
Vinyl acetate	BRL A	ug/L	2.0	0.060	1	8260B	9/28/15 23:52	KDM	P5I0526
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	9/28/15 23:52	KDM	P5I0526
Xylenes, total	**0.71 J**	**ug/L**	**3.0**	**0.15**	**1**	**8260B**	**9/28/15 23:52**	**KDM**	**P5I0526**

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*95 %*	*80-124*
Dibromofluoromethane	*97 %*	*75-129*
Toluene-d8	*90 %*	*77-123*

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Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Sample Matrix: Water

Client Sample ID: MW-4
Prism Sample ID: 5090370-04
Prism Work Order: 5090370
Time Collected: 09/18/15 10:58
Time Submitted: 09/22/15 08:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Antimony	BRL	ug/L	1.0	0.069	1	6020A	9/25/15 17:49	BGM	P5I0468
Arsenic	BRL	ug/L	1.0	0.29	1	6020A	9/25/15 17:49	BGM	P5I0468
Barium	**120**	**ug/L**	**5.0**	**0.041**	**1**	**6020A**	**9/25/15 17:49**	**BGM**	**P5I0468**
Beryllium	**0.40 J**	**ug/L**	**1.0**	**0.047**	**1**	**6020A**	**9/25/15 17:49**	**BGM**	**P5I0468**
Cadmium	**0.10 J**	**ug/L**	**1.0**	**0.019**	**1**	**6020A**	**9/25/15 17:49**	**BGM**	**P5I0468**
Chromium	**16 BH, B**	**ug/L**	**1.0**	**0.51**	**1**	**6020A**	**9/25/15 17:49**	**BGM**	**P5I0468**
Cobalt	**4.3**	**ug/L**	**1.0**	**0.013**	**1**	**6020A**	**9/25/15 17:49**	**BGM**	**P5I0468**
Copper	**18**	**ug/L**	**5.0**	**0.44**	**1**	**6020A**	**9/25/15 17:49**	**BGM**	**P5I0468**
Lead	**2.4**	**ug/L**	**1.0**	**0.020**	**1**	**6020A**	**9/25/15 17:49**	**BGM**	**P5I0468**
Nickel	**16**	**ug/L**	**2.0**	**0.053**	**1**	**6020A**	**9/30/15 17:15**	**BGM**	**P5I0562**
Selenium	**0.53 J**	**ug/L**	**1.0**	**0.35**	**1**	**6020A**	**9/25/15 17:49**	**BGM**	**P5I0468**
Silver	**0.035 J**	**ug/L**	**1.0**	**0.011**	**1**	**6020A**	**9/25/15 17:49**	**BGM**	**P5I0468**
Thallium	**0.058 J**	**ug/L**	**1.0**	**0.0093**	**1**	**6020A**	**9/25/15 17:49**	**BGM**	**P5I0468**
Vanadium	**11**	**ug/L**	**5.0**	**2.5**	**1**	**6020A**	**9/25/15 17:49**	**BGM**	**P5I0468**
Zinc	**25**	**ug/L**	**10**	**0.98**	**1**	**6020A**	**9/30/15 17:15**	**BGM**	**P5I0562**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	9/29/15 0:43	KDM	P5I0526
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	9/29/15 0:43	KDM	P5I0526
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	9/29/15 0:43	KDM	P5I0526
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	9/29/15 0:43	KDM	P5I0526
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	9/29/15 0:43	KDM	P5I0526
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	9/29/15 0:43	KDM	P5I0526
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	9/29/15 0:43	KDM	P5I0526
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	9/29/15 0:43	KDM	P5I0526
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	9/29/15 0:43	KDM	P5I0526
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	9/29/15 0:43	KDM	P5I0526
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	9/29/15 0:43	KDM	P5I0526
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	9/29/15 0:43	KDM	P5I0526
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	9/29/15 0:43	KDM	P5I0526
Acetone	BRL	ug/L	5.0	0.31	1	8260B	9/29/15 0:43	KDM	P5I0526
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	9/29/15 0:43	KDM	P5I0526
Benzene	**0.95**	**ug/L**	**0.50**	**0.048**	**1**	**8260B**	**9/29/15 0:43**	**KDM**	**P5I0526**
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	9/29/15 0:43	KDM	P5I0526
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	9/29/15 0:43	KDM	P5I0526
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	9/29/15 0:43	KDM	P5I0526
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	9/29/15 0:43	KDM	P5I0526
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	9/29/15 0:43	KDM	P5I0526
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	9/29/15 0:43	KDM	P5I0526
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	9/29/15 0:43	KDM	P5I0526
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	9/29/15 0:43	KDM	P5I0526
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	9/29/15 0:43	KDM	P5I0526

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Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Sample Matrix: Water

Client Sample ID: MW-4
Prism Sample ID: 5090370-04
Prism Work Order: 5090370
Time Collected: 09/18/15 10:58
Time Submitted: 09/22/15 08:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	9/29/15 0:43	KDM	P5I0526
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	9/29/15 0:43	KDM	P5I0526
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	9/29/15 0:43	KDM	P5I0526
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	9/29/15 0:43	KDM	P5I0526
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	9/29/15 0:43	KDM	P5I0526
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	9/29/15 0:43	KDM	P5I0526
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	9/29/15 0:43	KDM	P5I0526
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	9/29/15 0:43	KDM	P5I0526
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	9/29/15 0:43	KDM	P5I0526
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	9/29/15 0:43	KDM	P5I0526
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	9/29/15 0:43	KDM	P5I0526
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	9/29/15 0:43	KDM	P5I0526
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	9/29/15 0:43	KDM	P5I0526
Styrene	BRL	ug/L	0.50	0.047	1	8260B	9/29/15 0:43	KDM	P5I0526
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	9/29/15 0:43	KDM	P5I0526
Toluene	BRL	ug/L	0.50	0.044	1	8260B	9/29/15 0:43	KDM	P5I0526
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	9/29/15 0:43	KDM	P5I0526
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	9/29/15 0:43	KDM	P5I0526
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	9/29/15 0:43	KDM	P5I0526
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	9/29/15 0:43	KDM	P5I0526
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	9/29/15 0:43	KDM	P5I0526
Vinyl acetate	BRL A	ug/L	2.0	0.060	1	8260B	9/29/15 0:43	KDM	P5I0526
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	9/29/15 0:43	KDM	P5I0526
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	9/29/15 0:43	KDM	P5I0526

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*95 %*	*80-124*
Dibromofluoromethane	*96 %*	*75-129*
Toluene-d8	*89 %*	*77-123*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Sample Matrix: Water

Client Sample ID: SW-2
Prism Sample ID: 5090370-05
Prism Work Order: 5090370
Time Collected: 09/18/15 11:20
Time Submitted: 09/22/15 08:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Antimony	BRL BL	ug/L	1.0	0.069	1	6020A	9/25/15 17:53	BGM	P5I0468
Arsenic	BRL	ug/L	1.0	0.29	1	6020A	9/25/15 17:53	BGM	P5I0468
Barium	**45**	**ug/L**	**5.0**	**0.041**	**1**	**6020A**	**9/25/15 17:53**	**BGM**	**P5I0468**
Beryllium	BRL	ug/L	1.0	0.047	1	6020A	9/25/15 17:53	BGM	P5I0468
Cadmium	**0.079 J**	**ug/L**	**1.0**	**0.019**	**1**	**6020A**	**9/25/15 17:53**	**BGM**	**P5I0468**
Chromium	**0.77 BL, J, B**	**ug/L**	**1.0**	**0.51**	**1**	**6020A**	**9/25/15 17:53**	**BGM**	**P5I0468**
Cobalt	**2.4**	**ug/L**	**1.0**	**0.013**	**1**	**6020A**	**9/25/15 17:53**	**BGM**	**P5I0468**
Copper	**0.44 J**	**ug/L**	**5.0**	**0.44**	**1**	**6020A**	**9/25/15 17:53**	**BGM**	**P5I0468**
Lead	**0.096 J**	**ug/L**	**1.0**	**0.020**	**1**	**6020A**	**9/25/15 17:53**	**BGM**	**P5I0468**
Nickel	**1.9 J**	**ug/L**	**2.0**	**0.053**	**1**	**6020A**	**9/30/15 17:26**	**BGM**	**P5I0562**
Selenium	BRL	ug/L	1.0	0.35	1	6020A	9/25/15 17:53	BGM	P5I0468
Silver	BRL	ug/L	1.0	0.011	1	6020A	9/25/15 17:53	BGM	P5I0468
Thallium	BRL	ug/L	1.0	0.0093	1	6020A	9/25/15 17:53	BGM	P5I0468
Vanadium	BRL	ug/L	5.0	2.5	1	6020A	9/25/15 17:53	BGM	P5I0468
Zinc	**4.2 BL, J, B**	**ug/L**	**10**	**0.98**	**1**	**6020A**	**9/25/15 17:53**	**BGM**	**P5I0468**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	9/29/15 1:34	KDM	P5I0526
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	9/29/15 1:34	KDM	P5I0526
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	9/29/15 1:34	KDM	P5I0526
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	9/29/15 1:34	KDM	P5I0526
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	9/29/15 1:34	KDM	P5I0526
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	9/29/15 1:34	KDM	P5I0526
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	9/29/15 1:34	KDM	P5I0526
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	9/29/15 1:34	KDM	P5I0526
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	9/29/15 1:34	KDM	P5I0526
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	9/29/15 1:34	KDM	P5I0526
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	9/29/15 1:34	KDM	P5I0526
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	9/29/15 1:34	KDM	P5I0526
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	9/29/15 1:34	KDM	P5I0526
Acetone	BRL	ug/L	5.0	0.31	1	8260B	9/29/15 1:34	KDM	P5I0526
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	9/29/15 1:34	KDM	P5I0526
Benzene	**0.71**	**ug/L**	**0.50**	**0.048**	**1**	**8260B**	**9/29/15 1:34**	**KDM**	**P5I0526**
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	9/29/15 1:34	KDM	P5I0526
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	9/29/15 1:34	KDM	P5I0526
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	9/29/15 1:34	KDM	P5I0526
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	9/29/15 1:34	KDM	P5I0526
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	9/29/15 1:34	KDM	P5I0526
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	9/29/15 1:34	KDM	P5I0526
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	9/29/15 1:34	KDM	P5I0526
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	9/29/15 1:34	KDM	P5I0526
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	9/29/15 1:34	KDM	P5I0526

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Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Sample Matrix: Water

Client Sample ID: SW-2
Prism Sample ID: 5090370-05
Prism Work Order: 5090370
Time Collected: 09/18/15 11:20
Time Submitted: 09/22/15 08:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	9/29/15 1:34	KDM	P5I0526
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	9/29/15 1:34	KDM	P5I0526
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	9/29/15 1:34	KDM	P5I0526
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	9/29/15 1:34	KDM	P5I0526
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	9/29/15 1:34	KDM	P5I0526
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	9/29/15 1:34	KDM	P5I0526
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	9/29/15 1:34	KDM	P5I0526
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	9/29/15 1:34	KDM	P5I0526
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	9/29/15 1:34	KDM	P5I0526
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	9/29/15 1:34	KDM	P5I0526
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	9/29/15 1:34	KDM	P5I0526
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	9/29/15 1:34	KDM	P5I0526
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	9/29/15 1:34	KDM	P5I0526
Styrene	BRL	ug/L	0.50	0.047	1	8260B	9/29/15 1:34	KDM	P5I0526
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	9/29/15 1:34	KDM	P5I0526
Toluene	**0.70**	**ug/L**	**0.50**	**0.044**	**1**	**8260B**	**9/29/15 1:34**	**KDM**	**P5I0526**
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	9/29/15 1:34	KDM	P5I0526
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	9/29/15 1:34	KDM	P5I0526
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	9/29/15 1:34	KDM	P5I0526
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	9/29/15 1:34	KDM	P5I0526
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	9/29/15 1:34	KDM	P5I0526
Vinyl acetate	BRL A	ug/L	2.0	0.060	1	8260B	9/29/15 1:34	KDM	P5I0526
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	9/29/15 1:34	KDM	P5I0526
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	9/29/15 1:34	KDM	P5I0526

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*94 %*	*80-124*
Dibromofluoromethane	*96 %*	*75-129*
Toluene-d8	*88 %*	*77-123*

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Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Sample Matrix: Water

Client Sample ID: SW-3
Prism Sample ID: 5090370-06
Prism Work Order: 5090370
Time Collected: 09/18/15 10:40
Time Submitted: 09/22/15 08:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Antimony	BRL	ug/L	1.0	0.069	1	6020A	9/25/15 17:57	BGM	P5I0468
Arsenic	BRL	ug/L	1.0	0.29	1	6020A	9/25/15 17:57	BGM	P5I0468
Barium	**56**	**ug/L**	**5.0**	**0.041**	**1**	**6020A**	**9/25/15 17:57**	**BGM**	**P5I0468**
Beryllium	BRL	ug/L	1.0	0.047	1	6020A	9/25/15 17:57	BGM	P5I0468
Cadmium	**0.050 J**	**ug/L**	**1.0**	**0.019**	**1**	**6020A**	**9/25/15 17:57**	**BGM**	**P5I0468**
Chromium	**0.70 J**	**ug/L**	**1.0**	**0.51**	**1**	**6020A**	**9/30/15 17:30**	**BGM**	**P5I0562**
Cobalt	**2.5**	**ug/L**	**1.0**	**0.013**	**1**	**6020A**	**9/25/15 17:57**	**BGM**	**P5I0468**
Copper	**0.67 J**	**ug/L**	**5.0**	**0.44**	**1**	**6020A**	**9/25/15 17:57**	**BGM**	**P5I0468**
Lead	**0.18 J**	**ug/L**	**1.0**	**0.020**	**1**	**6020A**	**9/25/15 17:57**	**BGM**	**P5I0468**
Nickel	**0.69 J**	**ug/L**	**2.0**	**0.053**	**1**	**6020A**	**9/30/15 17:30**	**BGM**	**P5I0562**
Selenium	BRL	ug/L	1.0	0.35	1	6020A	9/25/15 17:57	BGM	P5I0468
Silver	BRL	ug/L	1.0	0.011	1	6020A	9/25/15 17:57	BGM	P5I0468
Thallium	BRL	ug/L	1.0	0.0093	1	6020A	9/25/15 17:57	BGM	P5I0468
Vanadium	BRL	ug/L	5.0	2.5	1	6020A	9/25/15 17:57	BGM	P5I0468
Zinc	**3.7 BL, J, B**	**ug/L**	**10**	**0.98**	**1**	**6020A**	**9/25/15 17:57**	**BGM**	**P5I0468**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 18:46	KDM	P5I0526
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	9/28/15 18:46	KDM	P5I0526
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	9/28/15 18:46	KDM	P5I0526
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	9/28/15 18:46	KDM	P5I0526
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	9/28/15 18:46	KDM	P5I0526
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	9/28/15 18:46	KDM	P5I0526
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	9/28/15 18:46	KDM	P5I0526
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	9/28/15 18:46	KDM	P5I0526
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	9/28/15 18:46	KDM	P5I0526
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	9/28/15 18:46	KDM	P5I0526
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	9/28/15 18:46	KDM	P5I0526
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 18:46	KDM	P5I0526
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	9/28/15 18:46	KDM	P5I0526
Acetone	BRL	ug/L	5.0	0.31	1	8260B	9/28/15 18:46	KDM	P5I0526
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	9/28/15 18:46	KDM	P5I0526
Benzene	BRL	ug/L	0.50	0.048	1	8260B	9/28/15 18:46	KDM	P5I0526
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	9/28/15 18:46	KDM	P5I0526
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	9/28/15 18:46	KDM	P5I0526
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	9/28/15 18:46	KDM	P5I0526
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	9/28/15 18:46	KDM	P5I0526
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	9/28/15 18:46	KDM	P5I0526
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 18:46	KDM	P5I0526
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	9/28/15 18:46	KDM	P5I0526
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	9/28/15 18:46	KDM	P5I0526
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	9/28/15 18:46	KDM	P5I0526

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Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Sample Matrix: Water

Client Sample ID: SW-3
Prism Sample ID: 5090370-06
Prism Work Order: 5090370
Time Collected: 09/18/15 10:40
Time Submitted: 09/22/15 08:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	9/28/15 18:46	KDM	P5I0526
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	9/28/15 18:46	KDM	P5I0526
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	9/28/15 18:46	KDM	P5I0526
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	9/28/15 18:46	KDM	P5I0526
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	9/28/15 18:46	KDM	P5I0526
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	9/28/15 18:46	KDM	P5I0526
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	9/28/15 18:46	KDM	P5I0526
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	9/28/15 18:46	KDM	P5I0526
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	9/28/15 18:46	KDM	P5I0526
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	9/28/15 18:46	KDM	P5I0526
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	9/28/15 18:46	KDM	P5I0526
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	9/28/15 18:46	KDM	P5I0526
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	9/28/15 18:46	KDM	P5I0526
Styrene	BRL	ug/L	0.50	0.047	1	8260B	9/28/15 18:46	KDM	P5I0526
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	9/28/15 18:46	KDM	P5I0526
Toluene	BRL	ug/L	0.50	0.044	1	8260B	9/28/15 18:46	KDM	P5I0526
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	9/28/15 18:46	KDM	P5I0526
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	9/28/15 18:46	KDM	P5I0526
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	9/28/15 18:46	KDM	P5I0526
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	9/28/15 18:46	KDM	P5I0526
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	9/28/15 18:46	KDM	P5I0526
Vinyl acetate	BRL A	ug/L	2.0	0.060	1	8260B	9/28/15 18:46	KDM	P5I0526
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	9/28/15 18:46	KDM	P5I0526
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	9/28/15 18:46	KDM	P5I0526

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*95 %*	*80-124*
Dibromofluoromethane	*97 %*	*75-129*
Toluene-d8	*90 %*	*77-123*

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Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Sample Matrix: Water

Client Sample ID: Trip Blank
Prism Sample ID: 5090370-07
Prism Work Order: 5090370
Time Collected: 09/21/15 00:00
Time Submitted: 09/22/15 08:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 19:12	KDM	P5I0526
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	9/28/15 19:12	KDM	P5I0526
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	9/28/15 19:12	KDM	P5I0526
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	9/28/15 19:12	KDM	P5I0526
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	9/28/15 19:12	KDM	P5I0526
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	9/28/15 19:12	KDM	P5I0526
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	9/28/15 19:12	KDM	P5I0526
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	9/28/15 19:12	KDM	P5I0526
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	9/28/15 19:12	KDM	P5I0526
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	9/28/15 19:12	KDM	P5I0526
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	9/28/15 19:12	KDM	P5I0526
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 19:12	KDM	P5I0526
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	9/28/15 19:12	KDM	P5I0526
Acetone	BRL	ug/L	5.0	0.31	1	8260B	9/28/15 19:12	KDM	P5I0526
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	9/28/15 19:12	KDM	P5I0526
Benzene	BRL	ug/L	0.50	0.048	1	8260B	9/28/15 19:12	KDM	P5I0526
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	9/28/15 19:12	KDM	P5I0526
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	9/28/15 19:12	KDM	P5I0526
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	9/28/15 19:12	KDM	P5I0526
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	9/28/15 19:12	KDM	P5I0526
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	9/28/15 19:12	KDM	P5I0526
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	9/28/15 19:12	KDM	P5I0526
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	9/28/15 19:12	KDM	P5I0526
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	9/28/15 19:12	KDM	P5I0526
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	9/28/15 19:12	KDM	P5I0526
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	9/28/15 19:12	KDM	P5I0526
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	9/28/15 19:12	KDM	P5I0526
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	9/28/15 19:12	KDM	P5I0526
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	9/28/15 19:12	KDM	P5I0526
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	9/28/15 19:12	KDM	P5I0526
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	9/28/15 19:12	KDM	P5I0526
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	9/28/15 19:12	KDM	P5I0526
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	9/28/15 19:12	KDM	P5I0526
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	9/28/15 19:12	KDM	P5I0526
Methyl Iodide	BRL	ug/L	5.0	0.33	1	8260B	9/28/15 19:12	KDM	P5I0526
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	9/28/15 19:12	KDM	P5I0526
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	9/28/15 19:12	KDM	P5I0526
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	9/28/15 19:12	KDM	P5I0526
Styrene	BRL	ug/L	0.50	0.047	1	8260B	9/28/15 19:12	KDM	P5I0526
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	9/28/15 19:12	KDM	P5I0526
Toluene	BRL	ug/L	0.50	0.044	1	8260B	9/28/15 19:12	KDM	P5I0526
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	9/28/15 19:12	KDM	P5I0526

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Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Sample Matrix: Water

Client Sample ID: Trip Blank
Prism Sample ID: 5090370-07
Prism Work Order: 5090370
Time Collected: 09/21/15 00:00
Time Submitted: 09/22/15 08:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	9/28/15 19:12	KDM	P5I0526
trans-1,4-Dichloro-2-butene	BRL	ug/L	10	0.12	1	8260B	9/28/15 19:12	KDM	P5I0526
Trichloroethylene	BRL	ug/L	0.50	0.078	1	8260B	9/28/15 19:12	KDM	P5I0526
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	9/28/15 19:12	KDM	P5I0526
Vinyl acetate	BRL A	ug/L	2.0	0.060	1	8260B	9/28/15 19:12	KDM	P5I0526
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	9/28/15 19:12	KDM	P5I0526
Xylenes, total	BRL	ug/L	3.0	0.15	1	8260B	9/28/15 19:12	KDM	P5I0526

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*96 %*	*80-124*
Dibromofluoromethane	*97 %*	*75-129*
Toluene-d8	*88 %*	*77-123*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Prism Work Order: 5090370
Time Submitted: 9/22/2015 8:45:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5I0526 - 5030B										
Blank (P5I0526-BLK1)				Prepared & Analyzed: 09/28/15						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	0.50	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethylene	BRL	0.50	ug/L							
1,2,3-Trichloropropane	BRL	1.0	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	0.50	ug/L							
1,2-Dichlorobenzene	BRL	0.50	ug/L							
1,2-Dichloroethane	BRL	0.50	ug/L							
1,2-Dichloropropane	BRL	0.50	ug/L							
1,4-Dichlorobenzene	BRL	0.50	ug/L							
Acetone	BRL	5.0	ug/L							
Acrylonitrile	BRL	20	ug/L							
Benzene	BRL	0.50	ug/L							
Bromochloromethane	BRL	0.50	ug/L							
Bromodichloromethane	BRL	0.50	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	1.0	ug/L							
Carbon disulfide	BRL	5.0	ug/L							
Carbon Tetrachloride	BRL	0.50	ug/L							
Chlorobenzene	BRL	0.50	ug/L							
Chloroethane	BRL	0.50	ug/L							
Chloroform	BRL	0.50	ug/L							
Chloromethane	BRL	0.50	ug/L							
cis-1,2-Dichloroethylene	BRL	0.50	ug/L							
cis-1,3-Dichloropropylene	BRL	0.50	ug/L							
Dibromochloromethane	BRL	0.50	ug/L							
Dibromomethane	BRL	0.50	ug/L							
Ethylbenzene	BRL	0.50	ug/L							
m,p-Xylenes	BRL	1.0	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	5.0	ug/L							
Methyl Iodide	BRL	5.0	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	1.0	ug/L							
o-Xylene	BRL	0.50	ug/L							
Styrene	BRL	0.50	ug/L							
Tetrachloroethylene	BRL	0.50	ug/L							
Toluene	BRL	0.50	ug/L							
trans-1,2-Dichloroethylene	BRL	0.50	ug/L							
trans-1,3-Dichloropropylene	BRL	0.50	ug/L							
trans-1,4-Dichloro-2-butene	BRL	10	ug/L							
Trichloroethylene	BRL	0.50	ug/L							
Trichlorofluoromethane	BRL	0.50	ug/L							

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Prism Work Order: 5090370
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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5I0526 - 5030B										
Blank (P5I0526-BLK1)				Prepared & Analyzed: 09/28/15						
Vinyl acetate	BRL	2.0	ug/L							
Vinyl chloride	BRL	0.50	ug/L							
Xylenes, total	BRL	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46.4*		*ug/L*	*50.00*		*93*	*80-124*			
Surrogate: Dibromofluoromethane	*47.5*		*ug/L*	*50.00*		*95*	*75-129*			
Surrogate: Toluene-d8	*44.4*		*ug/L*	*50.00*		*89*	*77-123*			
LCS (P5I0526-BS1)				Prepared & Analyzed: 09/28/15						
1,1,1,2-Tetrachloroethane	23.0	0.50	ug/L	20.00		115	79-134			
1,1,1-Trichloroethane	24.2	0.50	ug/L	20.00		121	75-136			
1,1,2,2-Tetrachloroethane	18.9	0.50	ug/L	20.00		95	62-127			
1,1,2-Trichloroethane	22.0	0.50	ug/L	20.00		110	70-140			
1,1-Dichloroethane	25.0	0.50	ug/L	20.00		125	78-130			
1,1-Dichloroethylene	22.9	0.50	ug/L	20.00		114	70-154			
1,2,3-Trichloropropane	19.4	1.0	ug/L	20.00		97	71-127			
1,2-Dibromo-3-chloropropane	17.9	2.0	ug/L	20.00		90	63-134			
1,2-Dibromoethane	21.7	0.50	ug/L	20.00		108	77-135			
1,2-Dichlorobenzene	22.6	0.50	ug/L	20.00		113	78-128			
1,2-Dichloroethane	22.3	0.50	ug/L	20.00		112	68-131			
1,2-Dichloropropane	23.3	0.50	ug/L	20.00		116	77-130			
1,4-Dichlorobenzene	23.0	0.50	ug/L	20.00		115	75-126			
Acetone	39.4	5.0	ug/L	40.00		99	40-166			
Acrylonitrile	35.8	20	ug/L	40.00		90	81-127			
Benzene	22.5	0.50	ug/L	20.00		113	77-128			
Bromochloromethane	24.3	0.50	ug/L	20.00		121	78-135			
Bromodichloromethane	21.7	0.50	ug/L	20.00		108	76-138			
Bromoform	18.8	1.0	ug/L	20.00		94	71-135			
Bromomethane	21.2	1.0	ug/L	20.00		106	41-168			
Carbon disulfide	23.9	5.0	ug/L	20.00		119	59-135			
Carbon Tetrachloride	23.8	0.50	ug/L	20.00		119	72-142			
Chlorobenzene	22.3	0.50	ug/L	20.00		112	78-119			
Chloroethane	27.1	0.50	ug/L	20.00		136	57-142			
Chloroform	20.0	0.50	ug/L	20.00		100	77-130			
Chloromethane	22.4	0.50	ug/L	20.00		112	47-145			
cis-1,2-Dichloroethylene	22.7	0.50	ug/L	20.00		113	76-141			
cis-1,3-Dichloropropylene	24.2	0.50	ug/L	20.00		121	65-140			
Dibromochloromethane	19.6	0.50	ug/L	20.00		98	75-134			
Dibromomethane	22.6	0.50	ug/L	20.00		113	76-138			
Ethylbenzene	23.1	0.50	ug/L	20.00		116	80-127			
m,p-Xylenes	47.4	1.0	ug/L	40.00		119	77-133			
Methyl Butyl Ketone (2-Hexanone)	17.3	5.0	ug/L	20.00		86	64-137			
Methyl Ethyl Ketone (2-Butanone)	19.9	5.0	ug/L	20.00		99	71-134			
Methyl Iodide	18.0	5.0	ug/L	20.00		90	70-130			
Methyl Isobutyl Ketone	19.6	5.0	ug/L	20.00		98	69-134			
Methylene Chloride	22.2	1.0	ug/L	20.00		111	73-131			
o-Xylene	22.2	0.50	ug/L	20.00		111	78-128			
Styrene	20.7	0.50	ug/L	20.00		104	78-129			

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Prism Work Order: 5090370
Time Submitted: 9/22/2015 8:45:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5I0526 - 5030B										
LCS (P5I0526-BS1)				Prepared & Analyzed: 09/28/15						
Tetrachloroethylene	22.8	0.50	ug/L	20.00		114	80-129			
Toluene	23.3	0.50	ug/L	20.00		117	76-131			
trans-1,2-Dichloroethylene	23.3	0.50	ug/L	20.00		116	76-135			
trans-1,3-Dichloropropylene	23.7	0.50	ug/L	20.00		118	67-140			
trans-1,4-Dichloro-2-butene	18.3	10	ug/L	20.00		91	70-130			
Trichloroethylene	24.5	0.50	ug/L	20.00		123	77-133			
Trichlorofluoromethane	31.5	0.50	ug/L	20.00		158	62-148			LH
Vinyl acetate	8.38	2.0	ug/L	20.00		42	34-167			
Vinyl chloride	27.0	0.50	ug/L	20.00		135	57-141			
Xylenes, total	69.7	3.0	ug/L	60.00		116	77-133			
Surrogate: 4-Bromofluorobenzene	*46.8*		*ug/L*	*50.00*		*94*	*80-124*			
Surrogate: Dibromofluoromethane	*49.3*		*ug/L*	*50.00*		*99*	*75-129*			
Surrogate: Toluene-d8	*46.9*		*ug/L*	*50.00*		*94*	*77-123*			
LCS Dup (P5I0526-BSD1)				Prepared & Analyzed: 09/28/15						
1,1,1,2-Tetrachloroethane	22.9	0.50	ug/L	20.00		114	79-134	0.5	20	
1,1,1-Trichloroethane	23.6	0.50	ug/L	20.00		118	75-136	3	20	
1,1,2,2-Tetrachloroethane	19.0	0.50	ug/L	20.00		95	62-127	0.7	20	
1,1,2-Trichloroethane	22.2	0.50	ug/L	20.00		111	70-140	0.7	20	
1,1-Dichloroethane	24.3	0.50	ug/L	20.00		122	78-130	3	20	
1,1-Dichloroethylene	22.4	0.50	ug/L	20.00		112	70-154	2	20	
1,2,3-Trichloropropane	20.0	1.0	ug/L	20.00		100	71-127	3	20	
1,2-Dibromo-3-chloropropane	18.2	2.0	ug/L	20.00		91	63-134	1	20	
1,2-Dibromoethane	22.1	0.50	ug/L	20.00		110	77-135	2	20	
1,2-Dichlorobenzene	22.4	0.50	ug/L	20.00		112	78-128	1	20	
1,2-Dichloroethane	22.2	0.50	ug/L	20.00		111	68-131	0.7	20	
1,2-Dichloropropane	22.7	0.50	ug/L	20.00		114	77-130	2	20	
1,4-Dichlorobenzene	22.5	0.50	ug/L	20.00		112	75-126	2	20	
Acetone	39.5	5.0	ug/L	40.00		99	40-166	0.08	20	
Acrylonitrile	36.8	20	ug/L	40.00		92	81-127	3	20	
Benzene	22.1	0.50	ug/L	20.00		110	77-128	2	20	
Bromochloromethane	24.2	0.50	ug/L	20.00		121	78-135	0.5	20	
Bromodichloromethane	21.4	0.50	ug/L	20.00		107	76-138	1	20	
Bromoform	19.0	1.0	ug/L	20.00		95	71-135	0.8	20	
Bromomethane	21.5	1.0	ug/L	20.00		108	41-168	1	20	
Carbon disulfide	23.1	5.0	ug/L	20.00		116	59-135	3	20	
Carbon Tetrachloride	23.2	0.50	ug/L	20.00		116	72-142	3	20	
Chlorobenzene	22.1	0.50	ug/L	20.00		110	78-119	1	20	
Chloroethane	26.4	0.50	ug/L	20.00		132	57-142	3	20	
Chloroform	19.8	0.50	ug/L	20.00		99	77-130	1	20	
Chloromethane	22.2	0.50	ug/L	20.00		111	47-145	0.9	20	
cis-1,2-Dichloroethylene	22.0	0.50	ug/L	20.00		110	76-141	3	20	
cis-1,3-Dichloropropylene	23.5	0.50	ug/L	20.00		117	65-140	3	20	
Dibromochloromethane	19.7	0.50	ug/L	20.00		99	75-134	0.5	20	
Dibromomethane	22.5	0.50	ug/L	20.00		112	76-138	0.4	20	
Ethylbenzene	22.8	0.50	ug/L	20.00		114	80-127	2	20	
m,p-Xylenes	46.4	1.0	ug/L	40.00		116	77-133	2	20	

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Prism Work Order: 5090370
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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5I0526 - 5030B										
LCS Dup (P5I0526-BSD1)				Prepared & Analyzed: 09/28/15						
Methyl Butyl Ketone (2-Hexanone)	17.8	5.0	ug/L	20.00		89	64-137	3	20	
Methyl Ethyl Ketone (2-Butanone)	19.9	5.0	ug/L	20.00		99	71-134	0.05	20	
Methyl Iodide	16.9	5.0	ug/L	20.00		84	70-130	6	20	
Methyl Isobutyl Ketone	19.8	5.0	ug/L	20.00		99	69-134	1	20	
Methylene Chloride	21.9	1.0	ug/L	20.00		109	73-131	2	20	
o-Xylene	20.8	0.50	ug/L	20.00		104	78-128	7	20	
Styrene	21.8	0.50	ug/L	20.00		109	78-129	5	20	
Tetrachloroethylene	22.2	0.50	ug/L	20.00		111	80-129	3	20	
Toluene	22.8	0.50	ug/L	20.00		114	76-131	2	20	
trans-1,2-Dichloroethylene	22.6	0.50	ug/L	20.00		113	76-135	3	20	
trans-1,3-Dichloropropylene	23.5	0.50	ug/L	20.00		118	67-140	0.6	20	
trans-1,4-Dichloro-2-butene	18.2	10	ug/L	20.00		91	70-130	0.05	20	
Trichloroethylene	23.8	0.50	ug/L	20.00		119	77-133	3	20	
Trichlorofluoromethane	30.6	0.50	ug/L	20.00		153	62-148	3	20	LH
Vinyl acetate	8.34	2.0	ug/L	20.00		42	34-167	0.5	20	
Vinyl chloride	26.0	0.50	ug/L	20.00		130	57-141	4	20	
Xylenes, total	67.2	3.0	ug/L	60.00		112	77-133	4	20	
Surrogate: 4-Bromofluorobenzene	*46.8*		*ug/L*	*50.00*		*94*	*80-124*			
Surrogate: Dibromofluoromethane	*49.2*		*ug/L*	*50.00*		*98*	*75-129*			
Surrogate: Toluene-d8	*47.4*		*ug/L*	*50.00*		*95*	*77-123*			

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Smith + Gardner, Inc.
Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Prism Work Order: 5090370
Time Submitted: 9/22/2015 8:45:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5I0468 - 3005A										
Blank (P5I0468-BLK1)				Prepared & Analyzed: 09/25/15						
Antimony	BRL	1.0	ug/L							
Arsenic	BRL	1.0	ug/L							
Barium	0.462	5.0	ug/L							J
Beryllium	BRL	1.0	ug/L							
Cadmium	0.143	1.0	ug/L							J
Chromium	0.734	1.0	ug/L							Aa, J
Cobalt	0.259	1.0	ug/L							J
Copper	1.42	5.0	ug/L							J
Lead	0.111	1.0	ug/L							J
Selenium	BRL	1.0	ug/L							
Silver	BRL	1.0	ug/L							
Thallium	0.0150	1.0	ug/L							J
Vanadium	BRL	5.0	ug/L							
Zinc	6.81	10	ug/L							BL, J
LCS (P5I0468-BS1)				Prepared & Analyzed: 09/25/15						
Antimony	101	1.0	ug/L	100.0		101	80-120			
Arsenic	99.4	1.0	ug/L	100.0		99	80-120			
Barium	104	5.0	ug/L	100.0		104	80-120			
Beryllium	96.7	1.0	ug/L	100.0		97	80-120			
Cadmium	103	1.0	ug/L	100.0		103	80-120			
Chromium	102	1.0	ug/L	100.0		102	80-120			B
Cobalt	102	1.0	ug/L	100.0		102	80-120			
Copper	103	5.0	ug/L	100.0		103	80-120			
Lead	103	1.0	ug/L	100.0		103	80-120			
Selenium	99.1	1.0	ug/L	100.0		99	80-120			
Silver	102	1.0	ug/L	100.0		102	80-120			
Thallium	102	1.0	ug/L	100.0		102	80-120			
Vanadium	100	5.0	ug/L	100.0		100	80-120			
Zinc	101	10	ug/L	100.0		101	80-120			B

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Attn: Madeline German
14 N. Boylan Avenue
Raleigh, NC 27603

Project: Warren County Permit #93-01

Prism Work Order: 5090370
Time Submitted: 9/22/2015 8:45:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5I0562 - 3005A										
Blank (P5I0562-BLK1)				Prepared & Analyzed: 09/30/15						
Chromium	BRL	1.0	ug/L							
Nickel	BRL	2.0	ug/L							
Zinc	BRL	10	ug/L							
LCS (P5I0562-BS1)				Prepared & Analyzed: 09/30/15						
Chromium	99.2	1.0	ug/L	100.0		99	80-120			
Nickel	101	2.0	ug/L	100.0		101	80-120			
Zinc	102	10	ug/L	100.0		102	80-120			

Sample Extraction Data

Prep Method: 3005A

Lab Number	Batch	Initial	Final	Date/Time
5090370-01	P5I0562	50 mL	50 mL	09/30/15 7:55
5090370-01	P5I0468	50 mL	50 mL	09/25/15 8:50
5090370-02	P5I0468	50 mL	50 mL	09/25/15 8:50
5090370-02	P5I0562	50 mL	50 mL	09/30/15 7:55
5090370-03	P5I0562	50 mL	50 mL	09/30/15 7:55
5090370-03	P5I0468	50 mL	50 mL	09/25/15 8:50
5090370-04	P5I0468	50 mL	50 mL	09/25/15 8:50
5090370-04	P5I0562	50 mL	50 mL	09/30/15 7:55
5090370-05	P5I0468	50 mL	50 mL	09/25/15 8:50
5090370-05	P5I0562	50 mL	50 mL	09/30/15 7:55
5090370-06	P5I0562	50 mL	50 mL	09/30/15 7:55
5090370-06	P5I0468	50 mL	50 mL	09/25/15 8:50

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
5090370-01	P5I0526	10 mL	10 mL	09/28/15 9:33
5090370-02	P5I0526	10 mL	10 mL	09/28/15 9:33
5090370-03	P5I0526	10 mL	10 mL	09/28/15 9:33
5090370-04	P5I0526	10 mL	10 mL	09/28/15 9:33
5090370-05	P5I0526	10 mL	10 mL	09/28/15 9:33
5090370-06	P5I0526	10 mL	10 mL	09/28/15 9:33
5090370-07	P5I0526	10 mL	10 mL	09/28/15 9:33

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions
449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543
Phone: 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Warren County Permit #93-01

Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)

*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements

Invoice To: Same

Address: _____

Client Company Name: Smith Gardner

Report To/Contact Name: Madeline German

Reporting Address: 14 N. Boylan Ave.
Raleigh, NC 27603

Phone: (919) 828-0577 Fax (Yes) (No): _____

Email (Y^x s) (No) Email Address madeline@smithgardnerinc.com

EDD Type: ____ PDF ____ Excel ____ Other

Site Location Name: Warren County Permit #93-01

Site Location Physical Address: _____

Purchase Order No./Billing Reference _____

Requested Due Date 1 Day 2 Days 3 Days 4 Days ✓ 5 Days
"Working Days" 6-9 Days Standard 10 days

Samples received after 15:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

FAS-10

	YES	NO	N/A
Samples INTACT upon arrival? 3.4	✓		
Received ON WET ICE? Temp 2.2	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ____ USACE ____ FL ____ NC ✓
SC ____ OTHER ____ N/A ____

Water Chlorinated: YES ___ NO ___

Sample Iced Upon Collection: YES ___ NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	8260 A	Metals					REMARKS	PRISM LAB ID NO.
MW-1A	9/18	12:25	Water	VOA	4	40 ml	HCL/None	✓						8260 App. I	01
				P	1	250 ml	HNO3		✓					Metals App. I	↓
MW-2	9/18	11:47	Water	VOA	4	40 ml	HCL/None	✓							02
				P	1	250 ml	HNO3		✓						↓
MW-3	9/18	11:28	Water	VOA	4	40 ml	HCL/None	✓							03
				P	1	250 ml	HNO3		✓						↓
MW-4	9/18	10:58	Water	VOA	4	40 ml	HCL/None	✓							04
				P	1	250 ml	HNO3		✓						↓
SW-1	DRY		Water	VOA	4	40 ml	HCL/None	✓							
				P	1	250 ml	HNO3		✓						

ANALYSES REQUESTED

PRESS DOWN FIRMLY - 3 COPIES

Sampler's Signature _____ Sampled By (Print Name) _____ Affiliation _____

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
		9-21-15	1140
Relinquished By: (Signature)	Received By: (Signature)	9/22/15	0810
Relinquished By: (Signature)	Received For Prism Laboratories By:	9/22/15	0845

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

Fed Ex UPS Hand-delivered Prism Field Service X Other Bring 1 - Cooler

Log-In Group No. 5090370

Additional Comments:

PRISM USE ONLY

Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
_ NC _ SC	_ NC _ SC	_ NC _ SC	_ NC _ SC	_ NC _ SC	_ NC _ SC	_ NC _ SC	✓ NC _ SC	_ NC _ SC

SEE REVERSE FOR TERMS & CONDITIONS

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions
449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543
Phone: 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Warren County Permit #93-01

Short Hold Analysis: (Yes) (No) **UST Project:** (Yes) (No)

***Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements**

Invoice To: Same

Address: _____

Client Company Name: Smith Gardner

Report To/Contact Name: Madeline German

Reporting Address: 14 N. Boylan Ave.
Raleigh, NC 27603

Phone: (919) 828-0577 **Fax (Yes) (No):** _____

Email (Y^x s) (No) Email Address madeline!smithgardnerinc.com

EDD Type: ____ **PDF** ____ **Excel** ____ **Other**

Site Location Name: Warren County Permit #93-01

Site Location Physical Address: _____

Purchase Order No./Billing Reference _____

Requested Due Date 1 Day 2 Days 3 Days 4 Days ✓ 5 Days
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(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

		YES	NO	N/A
Samples INTACT upon arrival?	3.4	✓		
Received ON WET ICE? Temp	2.2	✓		
PROPER PRESERVATIVES indicated?		✓		
Received WITHIN HOLDING TIMES?		✓		
CUSTODY SEALS INTACT?				✓
VOLATILES rec'd W/OUT HEADSPACE?		✓		
PROPER CONTAINERS used?		✓		

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ____ USACE ____ FL ____ NC ✓
SC ____ OTHER ____ N/A ____

Water Chlorinated: YES ___ NO ___

Sample Iced Upon Collection: YES ___ NO ___

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SW-2	9/18	11:20	Water	VOA	4	40 ml	HCL/None	✓						8260 App. I	05
				P	1	250 ml	HNO3		✓					Metals App. I	↓
SW-3	9/18	10:40	Water	VOA	4	40 ml	HCL/None	✓							06
				P	1	250 ml	HNO3		✓						↓
WSW-1	DRY		Water	VOA	4	40 ml	HCL/None	✓							
				P	1	250 ml	HNO3		✓						
Trip Blank			Water	VOA	2	40 ml	HCL	✓							07
				P	0										
			Water	VOA	0										
				P	0										

Sampler's Signature _____ Sampled By (Print Name) _____ Affiliation _____

PRESS DOWN FIRMLY - 3 COPIES

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		9-21-15	1140
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Fed Ex UPS Hand-delivered Prism Field Service X Other Bonney

Log-In Group No. 5090370

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
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NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
_ NC _ SC	_ NC _ SC	_ NC _ SC	_ NC _ SC	_ NC _ SC	_ NC _ SC	_ NC _ SC	✓ NC _ SC	_ NC _ SC

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

***CONTAINER TYPE CODES:** A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)