Semi-Annual Assessment Monitoring and Statistical Analysis Report

Prepared for

Wayne County Closed MSWLF and Active C&D Landfill, Dudley
Dudley, North Carolina

August, 2009

Permit Number: 96-01
MESCO Project Number: G09016.0

Completed on November 18, 2009

Municipal Services Garner, NC
Engineering Company, P.A. Boone, NC
Municipal Engineering Services Company, P.A.
Garner, Boone and Morehead City, North Carolina

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):

Municipal Engineering Services Co., PA

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

Name: Sean K. Patrick, PG Phone: 919-772-5393

E-mail: spatrick@mesco.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Wayne County Closed MSWLF & Active C&D MSWLF	460-B South Landfill Road Dudley, NC 28333	96-01	.1600	August 4-6, 2009

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.

Sean K. Patrick, PG — Facility Representative Name (Print)

Project Manager / Hydrogeologist — Title

919-772-5393 — (Area Code) Telephone Number

Signature

11/12/09 — Date

Affix NC Licensed/Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1776 GEOLOGIST SEAN K. PATRICK

P.O. Box 97, Garner, NC 27529

Facility Representative Address

C-0281

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

Revised 6/2009

CIVIL/SANITARY/ENVIRONMENTAL ENGINEERS
SOLID WASTE MANAGEMENT
Municipal Services
Engineering Company, P.A.
SITE PLANNING/SUBDIVISIONS
SUBSURFACE UTILITY ENGINEERING (SUE)

November 17, 2009

Ms. Jaclynne Drummond
Solid Waste Section
Division of Waste Management
North Carolina Department of Environment and Natural Resources
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Re: Groundwater Sampling and Statistical Analysis
Wayne County Closed MSWLF and active C&D Landfill, Dudley
Permit No. 96-01
MESCO Project No. G09016.0

Dear Ms. Drummond:

Municipal Engineering Services Company, P.A. (MESCO) has performed semi-annual sampling and monitoring activities at the Wayne County closed municipal solid waste landfill (MSWLF) and active construction and demolition (C&D) landfill located in Dudley, NC. The following report summarizes sampling procedures and activities performed, and presents conclusions based on field observations and laboratory analytical results. The site location is depicted in **Plate 1** (attached).

Prior to operating as a C&D landfill, the site operated as a municipal solid waste (MSW) unlined sanitary landfill that consisted of two units. The first unit was closed prior to October 1991, and the second unit was closed by December 31, 1998. The site is monitored under 15A NCAC 13B.1630. The monitoring well network consists of twelve (12) groundwater monitoring wells and three (3) surfacewater sampling locations. This report includes a summary of field procedures, laboratory analysis, tables and graphs of current/historical data, potentiometric map, and the complete laboratory analytical report.

Sampling Procedure

Semi-annual sampling and monitoring activities were performed by MESCO personnel on August 4 & 6, 2009. Assessment monitoring was performed on wells MW-1 through MW-8. Detection monitoring was performed on surfacewater sample SW-1. Surfacewater sampling locations SW-2 and SW-3 were found to be dry and were not sampled. Assessment monitoring was also performed on wells MW-9 through MW-11, which were sampled on July 23 & 24, 2009 as part of the *Corrective Action Plan* investigation. (Monitoring well MW-12 was installed after the August 2009 sampling event, and will be sampled during subsequent sampling event.) Groundwater and surfacewater sampling locations are depicted on the potentiometric surface map attached as **Plate 2**..

Groundwater and surfacewater samples were collected in accordance with the procedures outlined in the *Ground and Surfacewater Sampling and Analysis Plan* for the facility. Prior to purging, static groundwater depths were measured in each well using an electronic water level indicator accurate to 0.01-foot.

PO Box 97, Garner, North Carolina 27529 (919) 772-5393
PO Box 828, Morehead City, NC 28557 (252) 726-9481
PO Box 349, Boone, NC 28607 (828) 262-1767

Groundwater quality parameters including pH, oxidation-reduction potential (ORP), specific conductivity, temperature, dissolved oxygen (DO), total dissolved solids (TDS), dissolved carbon dioxide, and turbidity were measured, and are summarized in **Table 4** (attached). Disposable nitrile gloves were worn by the field technician to minimize the risk of sample cross-contamination and to limit exposure to groundwater contaminants. Monitoring wells were purged prior to sampling using low-flow sampling techniques. Groundwater samples were collected using individual disposable polyethylene bailers to minimize the risk of cross-contamination between wells. Groundwater samples were transferred to laboratory-prepared, method-specific containers, and placed in ice-filled coolers to chill the samples to approximately 4°C. The samples were transported by laboratory courier under proper chain-of-custody (COC) to Pace Analytical Laboratories (Huntersville, NC) an NCDENR-certified laboratory. All groundwater samples were analyzed for the complete Appendix I & II list of parameters. A copy of the complete laboratory analytical report including COC form is attached.

Groundwater Flow

Groundwater elevations were calculated by subtracting the groundwater depth measurements from the respective wellhead elevations, and contoured to derive the potentiometric surface map attached as **Plate 2**. Groundwater flow in the unconfined aquifer is in a general northwesterly direction over hydraulic gradients varying from approximately 0.002 to 0.02 feet/foot. Groundwater velocities calculated for wells MW-1 through MW-8 ranged from 3.1 ft/yr (MW-7) to 79 ft/yr (MW-3), with a geometric mean of 14 ft/yr and a median of 20 ft/yr. Groundwater flow directions and hydraulic gradients observed during the recent sampling event were consistent with those observed historically. Groundwater flow data is presented in the attached **Table 3**.

Laboratory Analytical Results

Groundwater Samples
Laboratory analyses detected VOC concentrations exceeding 2L Standards in two of the groundwater samples. A benzene concentration of 1.6 µg/L was reported for the sample from well MW-2. 1,4-Dichlorobenzene concentrations of 2.7 µg/L and 3.6 µg/L were reported for the samples from wells MW-2 and MW-8, respectively. Additionally, a chlorobenzene concentration of 11.4 µg/L, which exceeds the SWSL but is below the 2L Standard, was detected in the sample from well MW-2. All other VOC concentrations in the groundwater samples were below 2L Standards. 1,4-Dichlorobenzene and chlorobenzene are identified in the *Assessment of Corrective Measures* report as being contaminants of concern.

Inorganic compounds that exceed the respective 2L Standards are antimony (MW-11), cadmium (MW-5), and vanadium (MW-5, MW-11). These and other metals were detected in concentrations above method detection limits and below applicable SWSLs. These metals are considered to be of natural origin, and not the result of landfill activities. Mercury, the only inorganic compound identified as a contaminant of concern at the site, was not detected in concentrations above method detection limits.

Table 1 (attached) summarizes exceedances of 2L, 2B, SWSL, and Groundwater Protection Standards (GWPs). **Table 2** summarizes all compounds concentrations detected above method detection limits. Time-series graphs depicting the trends of select VOCs that have historically been detected above 2L Standards are also attached.

Surfacewater Samples
Laboratory analysis of surfacewater sample SW-1 detected barium, vanadium, and zinc concentrations below applicable 2B Standards. An acetone concentration of 3.3 µg/L, which is below the SWSL, was also detected and is of laboratory origin. No other VOC concentrations were detected in sample SW-1.

Discussion and Conclusions

The results of the recent sampling event indicate that groundwater contamination remains confined to the site. Statistical analysis of the analytical data did not indicate statistically significant compound increases over background levels in the surfacewater sample. The levels of benzene, 1,4-dichlorobenzene, and chlorobenzene in the samples collected from wells MW-2 and MW-8 represent statistically significant detections.

As part of corrective action at the site, groundwater samples were collected from wells MW-1, MW-2, and MW-8 for analysis of monitored natural attenuation parameters as outlined in the *Corrective Action Plan* approved for the site in August 2009. The results of these analyses will be discussed in a brief report to be submitted under separate cover.

Semi-annual sampling and monitoring will be continued at the facility. The next sampling event is scheduled for performance in February 2010. Please do not hesitate to contact me at (919) 772-5393 or spatrick@mesco.com if you have any questions or comments regarding either this report.

Sincerely,
MUNICIPAL ENGINEERING SERVICES CO., P.A.

Sean K. Patrick, L.G.
Project Manager / Hydrogeologist

Enclosures
cc: Mr. Tim Rogers, Wayne County

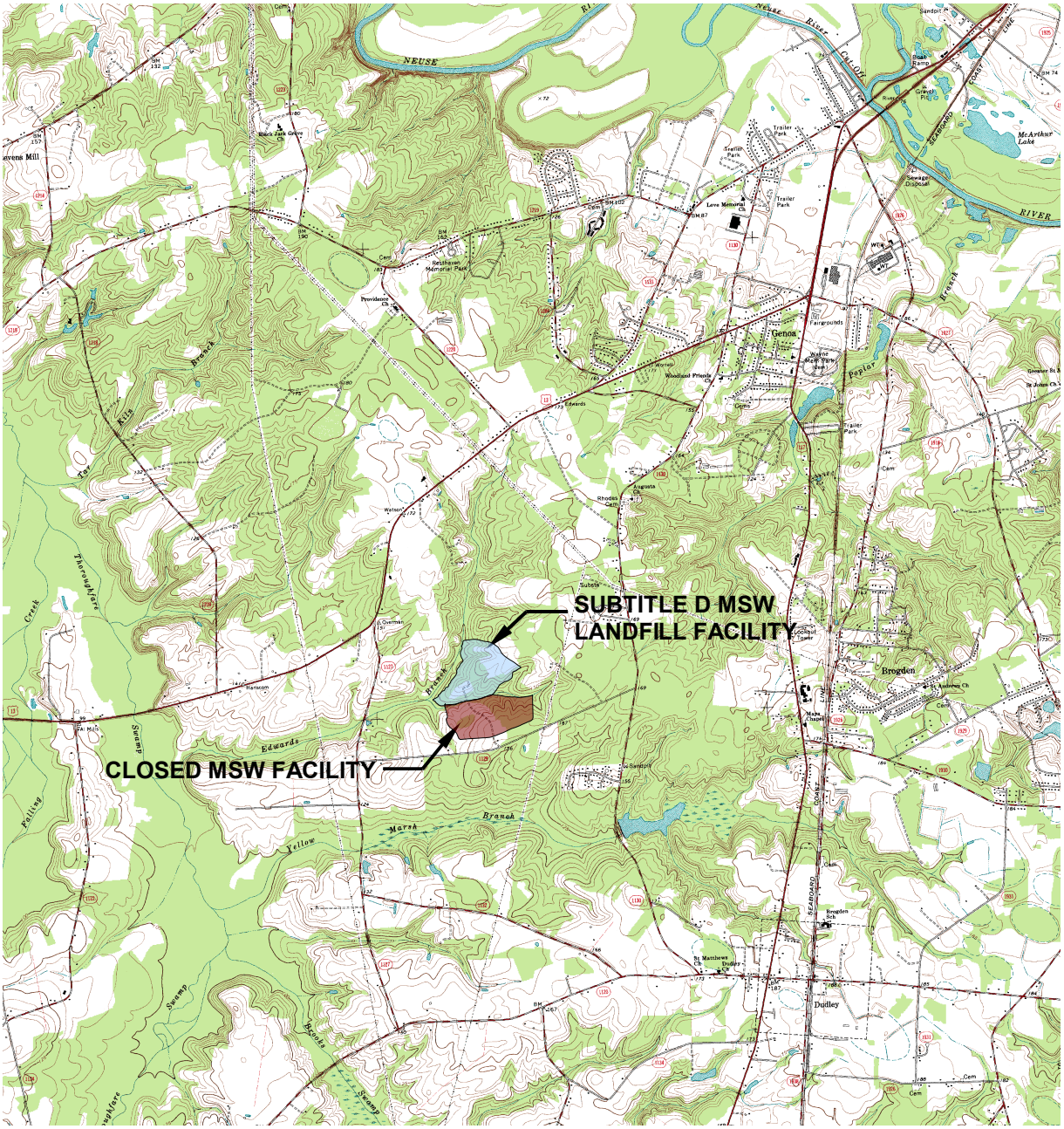
PLATE 1

Topographic Map with Site Location

Date Completed	06/18/2007
Created By	M. German
Project Name	Corrective Action Plan
Site Name	Wayne County Dudley
Project Number	

Municipal Engineering Services Company, PA

Wayne County Dudley



QUADRANGLE LEGEND

1 0 1 MILE

ROAD CLASSIFICATION

Primary highway, hard surface

Light-duty road, hard or improved surface

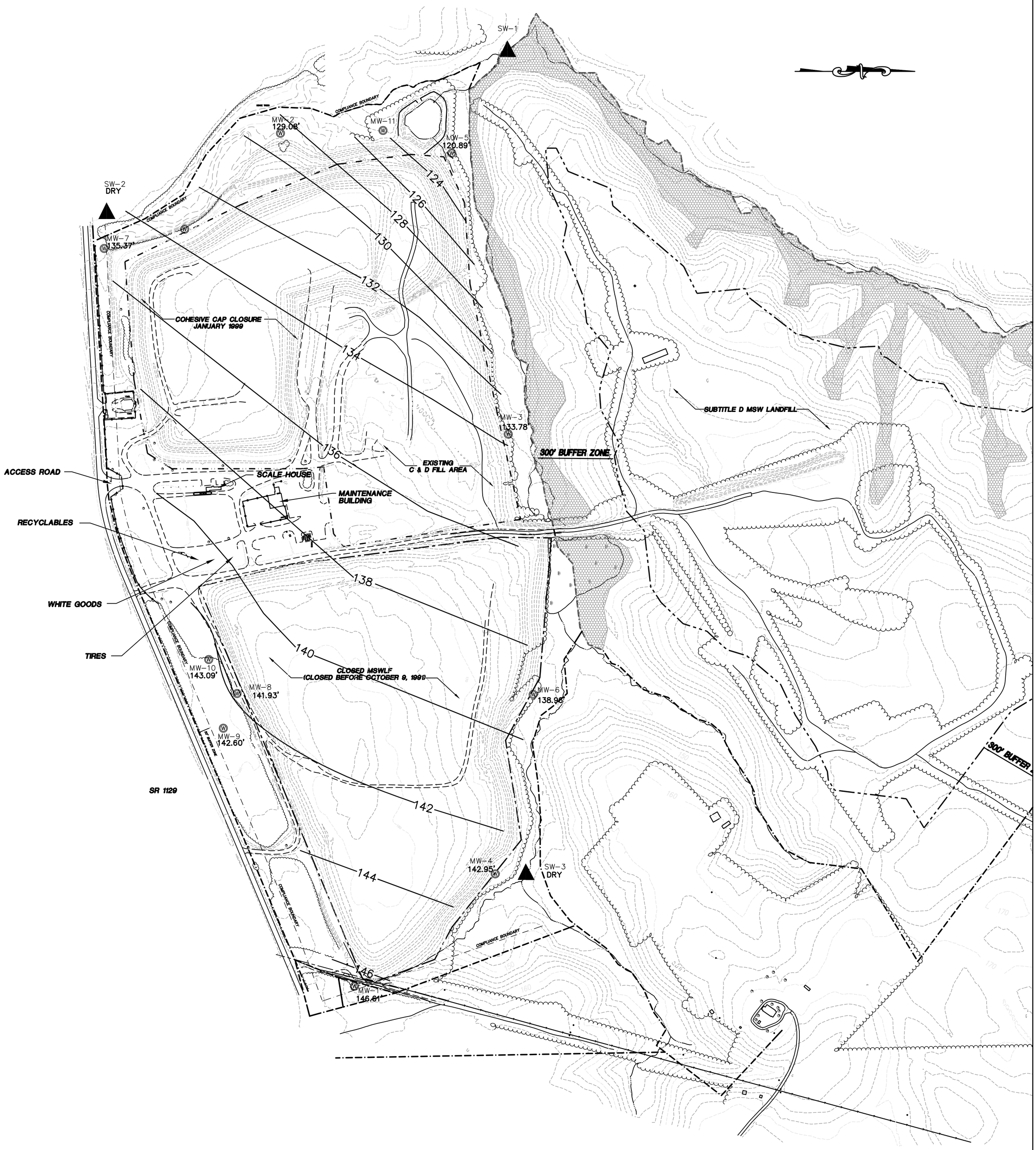
Secondary highway, hard surface

Unimproved road

Interstate Route

U. S. Route

State Route



LEGEND

MW-5 (W) MONITORING WELL, C&D LANDFILL

121.78' GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)

SW-1 ▲ SURFACE WATER SAMPLING POINT, C&D LANDFILL

——124—— POTENTIOMETRIC CONTOUR (CONTOUR INTERVAL = 2 FEET)

EXISTING TOPOGRAPHIC CONTOURS
PROPERTY LINE
EXISTING UNPAVED ROAD
EXISTING CREEK, STREAM, ETC.
EXISTING DIVERSION DITCHES
CLOSED MSWLF SANITARY UNIT
WETLANDS

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

DRAWING NO.	SHEET NO.	PROJECT NUMBER	CHKD. BY:	DRWN. BY:	DATE:	SCALE:
PLATE 2	1 OF 1	G07058.0	S. PATRICK	S. PATRICK	08/13/09	1" = 200'

DATE	BY	REV.	DESCRIPTION

SINGLE-DAY POTENTIOMETRIC SURFACE MAP
(AUGUST 6, 2009)

MUNICIPAL SOLID WASTE
LANDFILL FACILITY
WAYNE COUNTY
NORTH CAROLINA

LICENSE NUMBER: C-0281
Municipal Services
P.O. BOX 97 GARNER, N.C. 27529
(919) 772-5393
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P.O. BOX 349 BOONE, N.C. 28607
(828) 262-1767
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(252) 726-9481

Table 1
Detection Scan All Appendix I or II Detections above SWSL, GWP, 2L, or 2B
Wayne County Closed MSWLF & Active C&D Landfill (Dudley)

Sample ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	2L [4]	2B [5]	GWP [6]	Exceedance	Probable Source
MW-1	Zinc	8/6/09	20.3	µg/L	0.4	10	1050				
MW-2	**1,4-Dichlorobenzene**	**8/6/09**	**2.7**	**µg/L**	**0.33**	**1.0**	**1.4**			**1.3**	**Leachate &/or LFG**
MW-2	Arsenic	8/6/09	12.6	µg/L	2.7	10	50				
MW-2	Barium	8/6/09	172	µg/L	0.2	100	2000				
MW-2	**Benzene**	**8/6/09**	**1.6**	**µg/L**	**0.25**	**1.0**	**1**			**0.6**	**Leachate &/or LFG**
MW-2	Chlorobenzene	8/6/09	11.4	µg/L	0.23	3	50				
MW-2	**Vanadium**	**8/6/09**	**5.4 J**	**µg/L**	**0.2**	**25**			**3.5**	**1.9**	**Natural**
MW-2	Zinc	8/6/09	21.1	µg/L	0.4	10	1050				
MW-3	Zinc	8/4/09	17.8	µg/L	0.4	10	1050				
MW-4	Zinc	8/4/09	33.3	µg/L	0.4	10	1050				
MW-5	**Cadmium**	**8/4/09**	**4.4**	**µg/L**	**0.50**	**1.0**	**1.75**			**2.65**	**Natural**
MW-5	**Vanadium**	**8/4/09**	**7.5 J**	**µg/L**	**0.2**	**25**			**3.5**	**4**	**Natural**
MW-5	Zinc	8/4/09	26.6	µg/L	0.4	10	1050				
MW-6	Barium	8/4/09	247	µg/L	0.2	100	2000				
MW-6	Cadmium	8/4/09	1.4	µg/L	0.5	1	1.75				
MW-6	Zinc	8/4/09	13.3	µg/L	0.4	10	1050				
MW-7	Cadmium	8/4/09	1.5	µg/L	0.5	1	1.75				
MW-7	Zinc	8/4/09	11.2	µg/L	0.4	10	1050				
MW-8	Zinc	8/6/09	11.7	µg/L	0.4	10	1050				
MW-9	Zinc	7/23/09	15.5	µg/L	0.4	10	1050				
MW-10	Barium	7/24/09	179	µg/L	0.2	100	2000				
MW-11	**Antimony**	**7/23/09**	**2.6 J**	**µg/L**	**2.6**	**6**			**1.4**	**1.2**	**Natural**
MW-11	Arsenic	7/23/09	20.6	µg/L	2.7	10	50				
MW-11	Barium	7/23/09	157	µg/L	0.2	100	2000				
MW-11	Chromium	7/23/09	21.8	µg/L	0.4	10	50				
MW-11	**Vanadium**	**7/23/09**	**37.4**	**µg/L**	**0.2**	**25**			**3.5**	**33.9**	**Natural**
MW-11	Zinc	7/23/09	21	µg/L	0.4	10	1050				
SW-1	Zinc	8/6/09	11.2	µg/L	0.4	10		50			

[1] Table contains all constituents detected above SWSL, GWP, 2L, or 2B
[2] MDL = Method Detection Limit
[3] SWSL = Solid Waste Section Reporting Limit (Current as of Sampling Event)
[4] 2L = North Carolina Ground Water 2L Standard (Current as of Sampling Event)
[5] 2B = North Carolina Surface Water 2B Standard for Specific Stream Classification (Current as of Sampling Event)
[6] GWP = Groundwater Protection Standard (Current as of Sampling Event)
LFG = Landfill Gas
NE = Not Established
BOLD = Concentration ≥ GWP, 2L, or 2B Standard (Current as of Sampling Event)

Table 2
Detection Scan All Appendix I or II Detections above MDL
Wayne County Closed MSWLF & Active C&D Landfill (Dudley)

Sample ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	2L [4]	2B [5]	GWP [6]	Exceedance	Presumed Source
MW-1	Barium	8/6/09	17.6	µg/L	0.2	100	2000				
MW-1	Chloroform	8/6/09	0.52	µg/L	0.14	5	70				
MW-1	Chromium	8/6/09	0.49	µg/L	0.4	10	50				
MW-1	Copper	8/6/09	1.5	µg/L	0.3	10	1000				
MW-1	Vanadium	8/6/09	1.1	µg/L	0.2	25			3.5		
MW-1	Zinc	8/6/09	20.3	µg/L	0.4	10	1050				
MW-2	1,2-Dichlorobenzene	8/6/09	0.37	µg/L	0.3	5	620				
MW-2	**1,4-Dichlorobenzene**	**8/6/09**	**2.7**	**µg/L**	**0.33**	**1.0**	**1.4**			**1.3**	**Leachate &/or LFG**
MW-2	Arsenic	8/6/09	12.6	µg/L	2.7	10	50				
MW-2	Barium	8/6/09	172	µg/L	0.2	100	2000				
MW-2	**Benzene**	**8/6/09**	**1.6**	**µg/L**	**0.25**	**1.0**	**1**			**0.6**	**Leachate &/or LFG**
MW-2	Chlorobenzene	8/6/09	11.4	µg/L	0.23	3	50				
MW-2	cis-1,2-Dichloroethene	8/6/09	0.2	µg/L	0.19	5	70				
MW-2	Cobalt	8/6/09	5	µg/L	0.6	10			70		
MW-2	Copper	8/6/09	0.45	µg/L	0.3	10	1000				
MW-2	Nickel	8/6/09	2.5	µg/L	1.7	50	100				
MW-2	Silver	8/6/09	0.32	µg/L	0.1	10	18				
MW-2	**Vanadium**	**8/6/09**	**5.4 J**	**µg/L**	**0.2**	**25**			**3.5**	**1.9**	**Natural**
MW-2	Zinc	8/6/09	21.1	µg/L	0.4	10	1050				
MW-3	Barium	8/4/09	17	µg/L	0.2	100	2000				
MW-3	Benzene	8/4/09	0.3	µg/L	0.25	1	1				
MW-3	Beryllium	8/4/09	0.24	µg/L	0.1	1			4		
MW-3	Toluene	8/4/09	0.6	µg/L	0.26	1	1000				
MW-3	Vanadium	8/4/09	1.1	µg/L	0.2	25			3.5		
MW-3	Zinc	8/4/09	17.8	µg/L	0.4	10	1050				
MW-4	Barium	8/4/09	69.8	µg/L	0.2	100	2000				
MW-4	Beryllium	8/4/09	0.1	µg/L	0.1	1			4		
MW-4	Chromium	8/4/09	0.83	µg/L	0.4	10	50				
MW-4	Copper	8/4/09	2.7	µg/L	0.3	10	1000				
MW-4	Nickel	8/4/09	14.3	µg/L	1.7	50	100				
MW-4	Vanadium	8/4/09	0.95	µg/L	0.2	25			3.5		
MW-4	Zinc	8/4/09	33.3	µg/L	0.4	10	1050				
MW-5	Barium	8/4/09	25.8	µg/L	0.2	100	2000				
MW-5	Beryllium	8/4/09	0.39	µg/L	0.1	1			4		
MW-5	**Cadmium**	**8/4/09**	**4.4**	**µg/L**	**0.50**	**1.0**	**1.75**			**2.65**	**Natural**
MW-5	Chromium	8/4/09	1.9	µg/L	0.4	10	50				
MW-5	Cobalt	8/4/09	1.4	µg/L	0.6	10			70		
MW-5	Copper	8/4/09	1.3	µg/L	0.3	10	1000				
MW-5	Nickel	8/4/09	2.8	µg/L	1.7	50	100				
MW-5	**Vanadium**	**8/4/09**	**7.5 J**	**µg/L**	**0.2**	**25**			**3.5**	**4**	**Natural**
MW-5	Zinc	8/4/09	26.6	µg/L	0.4	10	1050				
MW-6	Barium	8/4/09	247	µg/L	0.2	100	2000				
MW-6	Beryllium	8/4/09	0.8	µg/L	0.1	1			4		
MW-6	Cadmium	8/4/09	1.4	µg/L	0.5	1	1.75				
MW-6	Chlorobenzene	8/4/09	0.45	µg/L	0.23	3	50				

Table 2
Detection Scan All Appendix I or II Detections above MDL
Wayne County Closed MSWLF & Active C&D Landfill (Dudley)

Sample ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	2L [4]	2B [5]	GWP [6]	Exceedance	Presumed Source
MW-6	Chromium	8/4/09	1.5	µg/L	0.4	10	50				
MW-6	cis-1,2-Dichloroethene	8/4/09	0.55	µg/L	0.19	5	70				
MW-6	Copper	8/4/09	0.72	µg/L	0.3	10	1000				
MW-6	Nickel	8/4/09	4.4	µg/L	1.7	50	100				
MW-6	Vanadium	8/4/09	0.82	µg/L	0.2	25			3.5		
MW-6	Zinc	8/4/09	13.3	µg/L	0.4	10	1050				
MW-7	Barium	8/4/09	56	µg/L	0.2	100	2000				
MW-7	Beryllium	8/4/09	0.11	µg/L	0.1	1			4		
MW-7	Cadmium	8/4/09	1.5	µg/L	0.5	1	1.75				
MW-7	Chromium	8/4/09	3	µg/L	0.4	10	50				
MW-7	Copper	8/4/09	1.5	µg/L	0.3	10	1000				
MW-7	Nickel	8/4/09	2	µg/L	1.7	50	100				
MW-7	Vanadium	8/4/09	2.4	µg/L	0.2	25			3.5		
MW-7	Zinc	8/4/09	11.2	µg/L	0.4	10	1050				
MW-8	**1,4-Dichlorobenzene**	**8/6/09**	**3.6**	**µg/L**	**0.33**	**1.0**	**1.4**			**2.2**	**Leachate &/or LFG**
MW-8	Barium	8/6/09	71	µg/L	0.2	100	2000				
MW-8	Chlorobenzene	8/6/09	0.94	µg/L	0.23	3	50				
MW-8	Chromium	8/6/09	2	µg/L	0.4	5	50				
MW-8	Cobalt	8/6/09	1.7	µg/L	0.6	5			70		
MW-8	Copper	8/6/09	0.52	µg/L	0.3	5	1000				
MW-8	Vanadium	8/6/09	2.9	µg/L	0.2	25			3.5		
MW-8	Zinc	8/6/09	11.7	µg/L	0.4	10	1050				
MW-9	Acetone	7/23/09	4.8	µg/L	2.2	100	700				
MW-9	Barium	7/23/09	44.7	µg/L	0.2	100	2000				
MW-9	Copper	7/23/09	0.98	µg/L	0.3	10	1000				
MW-9	Nickel	7/23/09	4.6	µg/L	1.7	50	100				
MW-9	Silver	7/23/09	0.43	µg/L	0.1	10	18				
MW-9	Vanadium	7/23/09	0.3	µg/L	0.2	25			3.5		
MW-9	Zinc	7/23/09	15.5	µg/L	0.4	10	1050				
MW-10	Barium	7/24/09	179	µg/L	0.2	100	2000				
MW-10	Chloroform	7/24/09	0.57	µg/L	0.14	5	70				
MW-10	Silver	7/24/09	0.39	µg/L	0.1	10	18				
MW-10	Zinc	7/24/09	9.2	µg/L	0.4	10	1050				
MW-11	**Antimony**	**7/23/09**	**2.6 J**	**µg/L**	**2.6**	**6**			**1.4**	**1.2**	**Natural**
MW-11	Arsenic	7/23/09	20.6	µg/L	2.7	10	50				
MW-11	Barium	7/23/09	157	µg/L	0.2	100	2000				
MW-11	Chromium	7/23/09	21.8	µg/L	0.4	10	50				
MW-11	cis-1,2-Dichloroethene	7/23/09	0.43	µg/L	0.19	5	70				
MW-11	Copper	7/23/09	6.6	µg/L	0.3	10	1000				
MW-11	Lead	7/23/09	5.7	µg/L	4	10	15				
MW-11	Nickel	7/23/09	20.2	µg/L	1.7	50	100				
MW-11	Silver	7/23/09	0.4	µg/L	0.1	10	18				
MW-11	**Vanadium**	**7/23/09**	**37.4**	**µg/L**	**0.2**	**25**			**3.5**	**33.9**	**Natural**
MW-11	Zinc	7/23/09	21	µg/L	0.4	10	1050				
SW-1	Acetone	8/6/09	3.3	µg/L	2.2	100		2000			

Table 2
Detection Scan All Appendix I or II Detections above MDL
Wayne County Closed MSWLF & Active C&D Landfill (Dudley)

Sample ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	2L [4]	2B [5]	GWP [6]	Exceedance	Presumed Source
SW-1	Barium	8/6/09	23.2	µg/L	0.2	100		20000			
SW-1	Vanadium	8/6/09	0.88	µg/L	0.2	25		NE			
SW-1	Zinc	8/6/09	11.2	µg/L	0.4	10		50			

Table 2
Detection Scan All Appendix I or II Detections above MDL
Wayne County Closed MSWLF & Active C&D Landfill (Dudley)

Sample ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	2L [4]	2B [5]	GWP [6]	Exceedance	Presumed Source
EB	Barium	8/6/09	20.3	µg/L	0.2	100	2000				
EB	Nickel	8/6/09	2.1	µg/L	1.7	50	100				
EB	Selenium	8/6/09	4	µg/L	3.8	10	50				
EB	Vanadium	8/6/09	0.6	µg/L	0.2	25			3.5		
EB	Zinc	8/6/09	4.8	µg/L	0.4	10	1050				

[1] Table contains all constituents detected above MDL
[2] MDL = Method Detection Limit
[3] SWSL = Solid Waste Section Reporting Limit (Current as of Sampling Event)
[4] 2L = North Carolina Ground Water 2L Standard (Current as of Sampling Event)
[5] 2B = North Carolina Surface Water 2B Standard for Specific Stream Classification (Current as of Sampling Event)
NE = Not Established
BOLD = Concentration ≥ GWP, NCGW2L, or NCSW2B Standard (Current as of Sampling Event)

Table 3
Hydrologic Properties at Monitoring Well Locations
Wayne County Closed MSWLF & Active C&D Landfill (Dudley)

Monitoring Well	Hydraulic Conductivity (cm/sec)	Est. Effective Porosity (%)	Hydraulic Gradient	Linear Velocity (ft/yr)	Flow Direction	Water Table Depth (ft BTOC)	Water Table Elevation (ft AMSL)
MW-1	5.40E-04	20	0.009	26	N69W	16.65	146.61
MW-2	3.00E-04	20	0.02	30	N50W	5.44	129.08
MW-3	6.40E-03	20	0.002	79	N63W	0.71	134.10
MW-4	9.90E-04	20	0.005	28	N59W	7.19	143.01
MW-5	3.10E-05	20	0.09	14	N51W	3.84	120.94
MW-6	1.60E-04	20	0.005	4.2	N71W	6.63	138.90
MW-7	7.30E-05	20	0.008	3.1	N60W	8.19	135.40
MW-8	3.40E-04	20	0.003	5.5	N32W	19.95	141.93
MW-9	-	-	-	-	-	20.36	142.60
MW-10	-	-	-	-	-	19.81	143.09
MW-11	-	-	-	-	-	3.40	123.83

NOTES: Values for hydraulic conductivity obtained from the Wayne County Transition Plan (April 1994)

Hydraulic Gradients taken from groundwater elevations obtained from August 6, 2009 sampling event data.

Groundwater velocity (v_x) is defined by the equation:

$$v_x = (K * i) / n_e$$

Where: K= hydraulic conductivity

n_e = effective porosity

i = hydraulic gradient

Table 4
Field Parameter Data Sheet
Wayne County Closed MSWLF & Active C&D Landfill (Dudley)
July 23 & 24, 2009 and August 4 & 6, 2009 Sampling Event

Monitoring Location	Sample Date	Water Table Depth (ft BTOC)	pH	Temp (°C)	Specific Conductance (µmhos/cm)	TDS (mg/L)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
MW-1	08/06/09	16.65	5.13	21.7	30	10	6.9	270	11.9
MW-2	08/06/09	5.44	6.45	24.1	1890	930	0.9	193	13.8
MW-3	08/04/09	0.73	6.23	20.4	40	20	0.1	130	7.47
MW-4	08/04/09	7.25	6.63	20.2	110	50	0.5	130	8.1
MW-5	08/04/09	3.89	6.51	19.1	90	40	1.7	98	32.1
MW-6	08/04/09	6.57	6.52	20.4	200	90	1.6	97	4.38
MW-7	08/04/09	8.22	6.28	18.3	20	0	2.6	131	5.73
MW-8	08/06/09	19.95	4.65	20.2	90	40	0.9	242	76.3
MW-9	07/23/09	20.07	6.89	19	74	NR	3.81	33.7	17.3
MW-10	07/24/09	19.48	2.7	17.6	58	NR	5.59	34.4	2.9
MW-11	07/23/09	3.50	3.7	22.7	1370	NR	2.53	40.1	312
SW-1	08/06/09	-	4.7	26.8	30	10	7.1	363	8.16
SW-2	-	Dry - Sample Not Collected							
SW-3	-	Dry - Sample Not Collected							

Statistical Analysis Results Summary

Inter-Well Analyses Summary
Wayne County Closed MSWLF and Active C&D Landfill (Dudley)

Background Well: MW-1

Arsenic, total

%ND	Normality	Method	ND Adj.	Upper Limit (a = 95%)	Unit
93.75	-	Poisson tolerance interval	ND	14.5	ug/l

Well	Result	Significance
MW-2	12.6	No

Barium, total

%ND	Normality	Method	ND Adj.	Upper Limit (a = 95%)	Unit
90.625	-	Poisson tolerance interval	ND	10	log [ug/l]

Well	Result	Significance
MW-2	5.147	No
MW-6	5.509	No

Cadmium, total

%ND	Normality	Method	ND Adj.	Upper Limit (a = 95%)	Unit
93.750	-	Poisson tolerance interval	ND	3	ug/l

Well	Result	Significance
MW-5	4.4	Yes
MW-6	1.4	No
MW-7	1.5	No

Zinc, total

%ND	Normality	Method	ND Adj.	Upper Limit (a = 95%)	Unit
81.25	-	Non-Parametric tolerance interval	1/2 ND	243	ug/l

Well	Result	Significance
MW-2	21.1	No
MW-3	17.8	No
MW-4	33.3	No
MW-5	26.6	No
MW-7	11.2	No

NOTE: Bold-faced monitoring points indicate detected levels exceed 2L Standard.

Summary of Pooled VOCs in Background Well (MW-1)
Wayne County Closed MSWLF and Active C&D Landfill (Dudley)

Constituent	Samples	NDs	% NDs
1,1,1,2-Tetrachloroethane	34	34	100.00
1,1,1-Trichloroethane	34	34	100.00
1,1,2,2-Tetrachloroethane	34	34	100.00
1,1,2-Trichloroethane	34	34	100.00
1,1-Dichloroethane	34	34	100.00
1,1-Dichloroethene	34	34	100.00
1,2,3-Trichloropropane	34	34	100.00
1,2-Dibromo-3-chloropropane	34	34	100.00
1,2-Dibromoethane	34	34	100.00
1,2-Dichlorobenzene	34	34	100.00
1,2-Dichloroethane	34	34	100.00
1,2-Dichloropropane	34	34	100.00
1,4-Dichlorobenzene	34	34	100.00
2-Butanone	34	34	100.00
2-Hexanone	34	34	100.00
4-Methyl-2-Pentanone	34	34	100.00
Acetone	34	34	100.00
Acrylonitrile	34	34	100.00
Benzene	34	34	100.00
Bromochloromethane	34	34	100.00
Bromodichloromethane	34	34	100.00
Bromoform	34	34	100.00
Bromomethane	34	34	100.00
Carbon disulfide	34	34	100.00
Carbon tetrachloride	34	34	100.00
Chlorobenzene	34	34	100.00
Chloroethane	34	34	100.00
Chloroform	34	34	100.00
Chloromethane	34	34	100.00
cis-1,2-Dichloroethene	34	34	100.00
cis-1,3-Dichloropropene	34	34	100.00
Chlorodibromomethane	34	34	100.00
Dibromomethane	34	34	100.00
Ethylbenzene	34	34	100.00
Iodomethane	34	34	100.00
Dichloromethane	34	34	100.00
Styrene	34	34	100.00
Tetrachloroethylene	34	34	100.00
Toluene	34	34	100.00
trans-1,2-Dichloroethene	34	34	100.00
trans-1,3-Dichloropropene	34	34	100.00
trans-1,4-Dichloro-2-butene	34	34	100.00
Trichloroethylene	34	34	100.00
Trichlorofluoromethane	34	34	100.00
Vinyl acetate	34	34	100.00
Vinyl chloride	34	34	100.00
Xylene	34	34	100.00
Total	**1598**	**1598**	**100.00**

Poisson Prediction Interval Based upon Pooled Background VOCs
Wayne County Closed MSWLF and Active C&D Landfill (Dudley)

All detected VOCs (Background Well: MW-1)

Constituent	MW-2	MW-8
1,4-Dichlorobenzene	**x**	**x**
Benzene	**x**	
Chlorobenzene	x	
Detection(s) per Scan	3.00	1.00

Total number of sampling events [n] = 34
Total number of detections in background wells [y] = 0
Number of comparisons (downgradient wells) [k] = 7
One-sided value of Student's t-statistic (95% confidence) [t] = 2.559
Expected number of detections in a single future sample [y*] = **0.1926**

Statistically significant VOC detections at 95% confidence level within MW-2 & MW-8

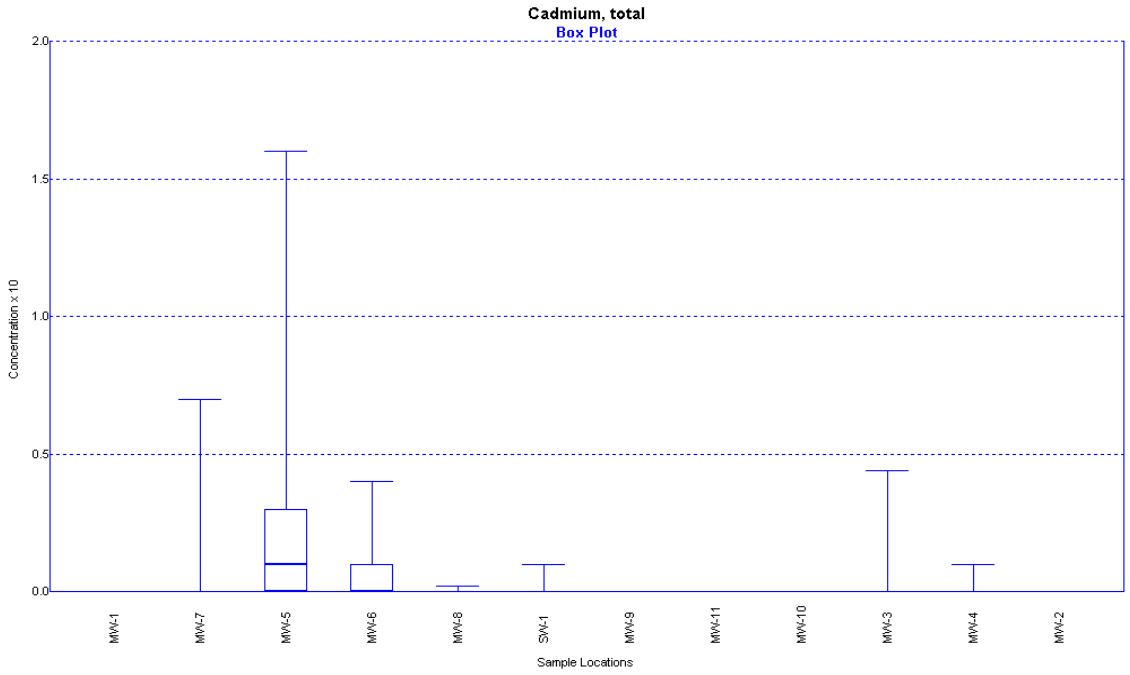
Intra-Well Analysis Summary (Metals)
Wayne County Closed MSWLF and Active C&D Landfill (Dudley)

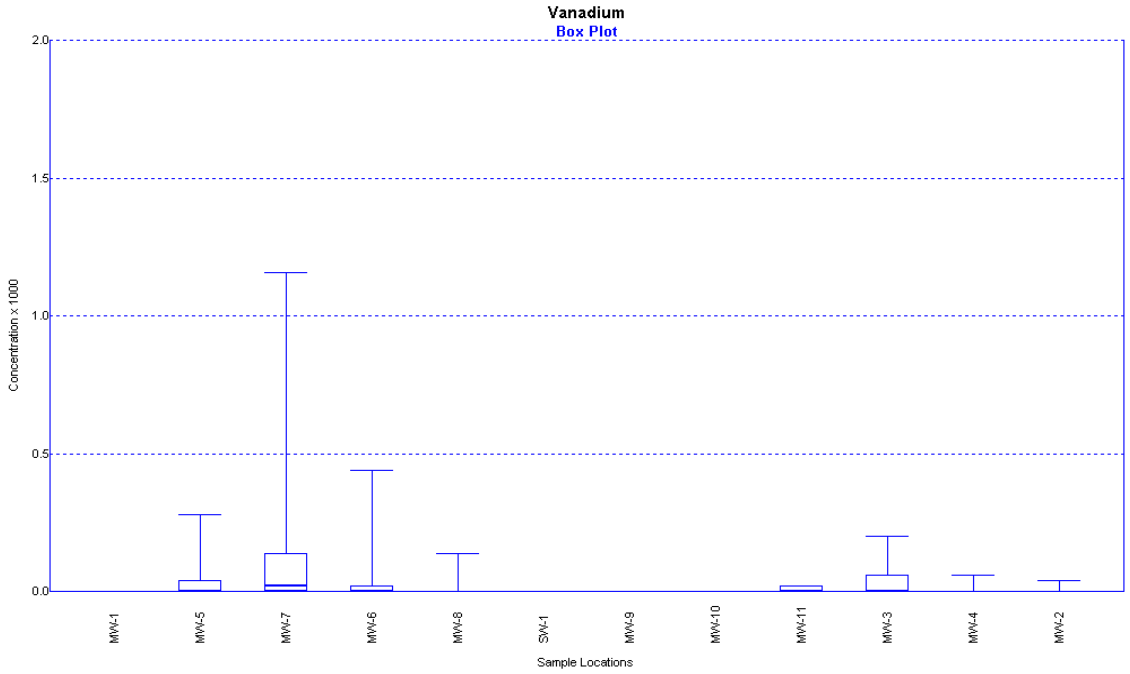
Well	Cadmium
MW-5	**no**

EXPLANATION
yes=detection statistically significant by intrawell analysis
no=detection not statistically significant by intrawell analysis

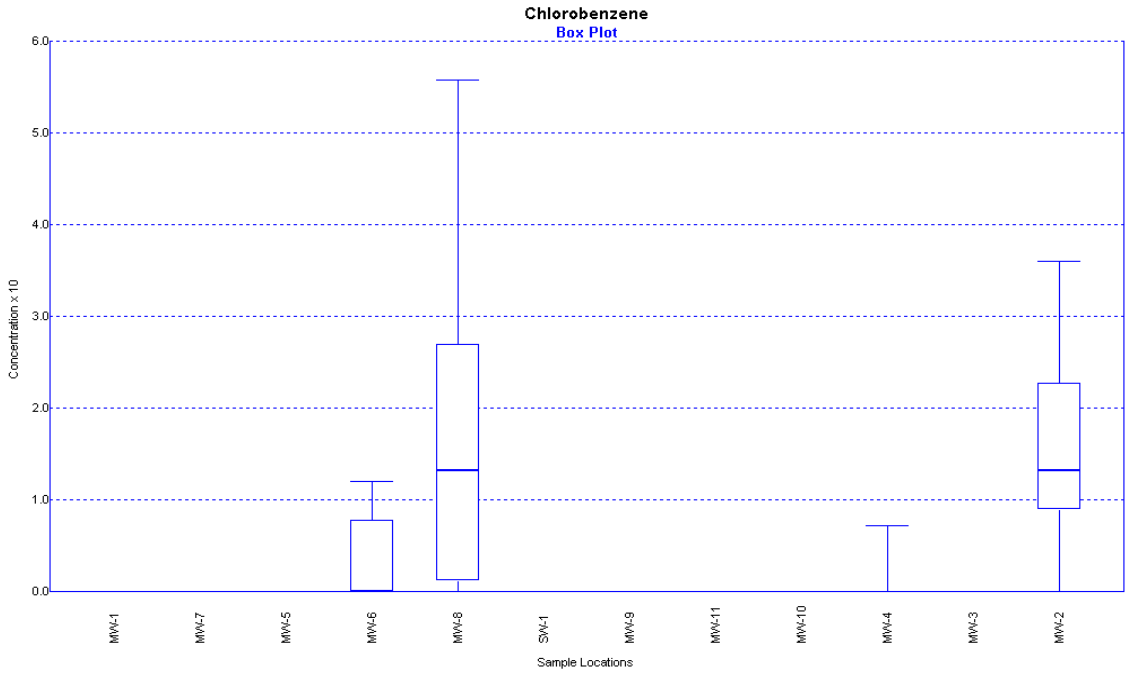
No metals have increased according to Intra-well Analysis

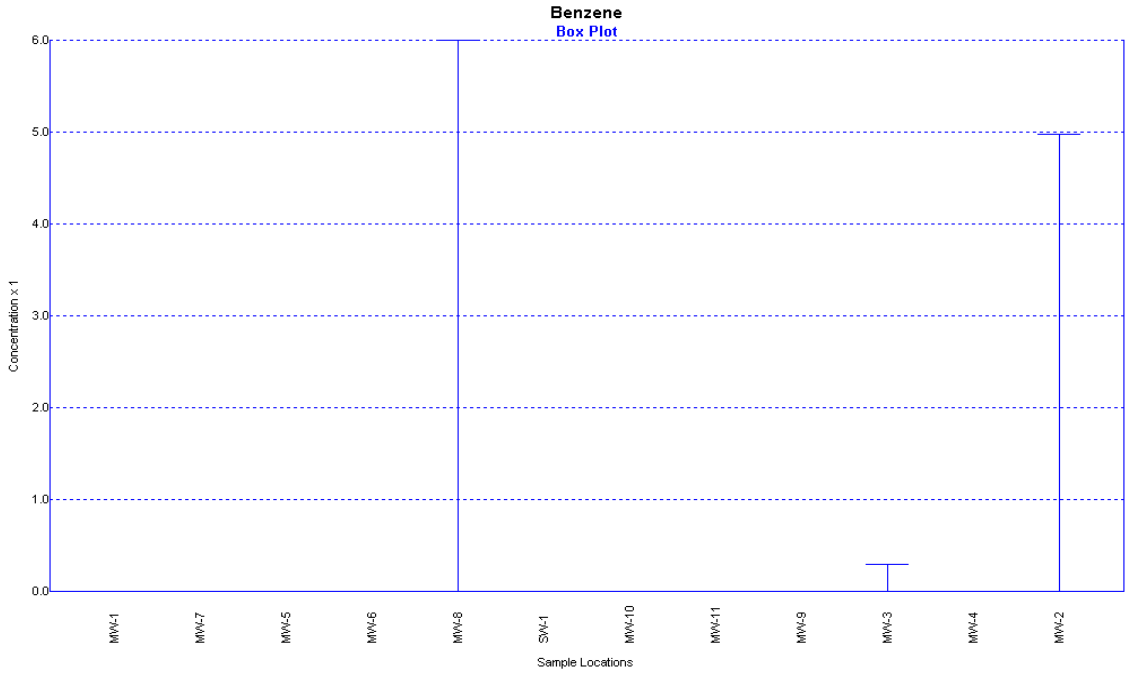
Box Plots for Select Constituents (Metals)
Wayne County Closed MSWLF and C&D Landfill (Dudley)



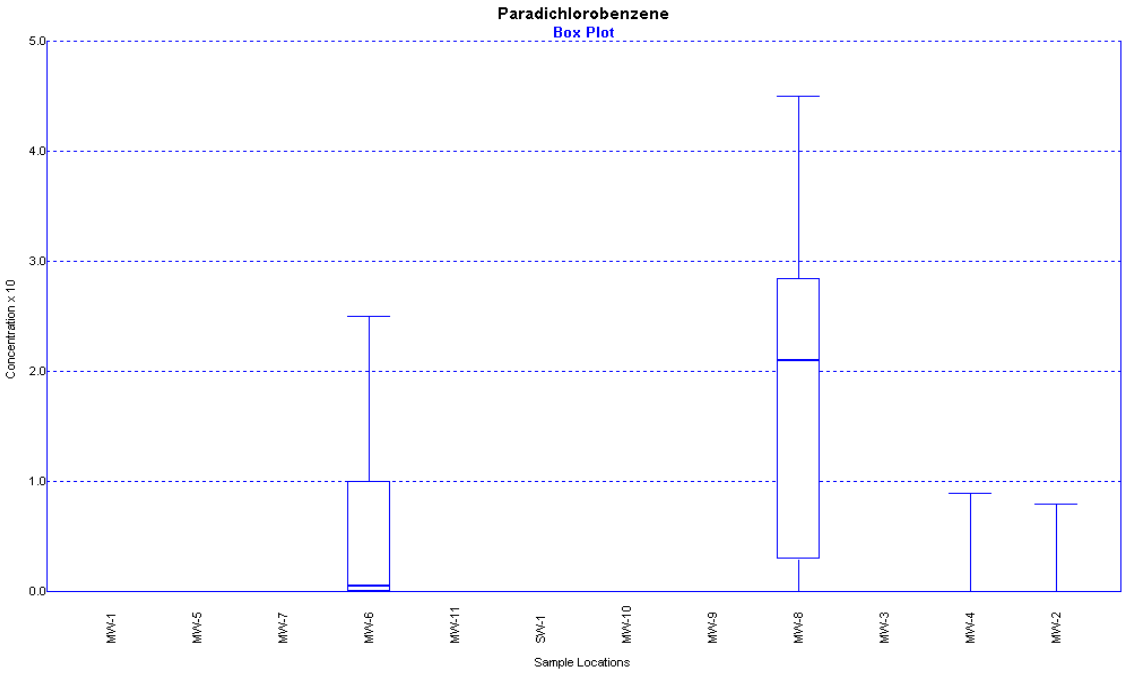


Box Plots for Select Constituents (VOCs)
Wayne County Closed MSWLF and Active C&D Landfill (Dudley)

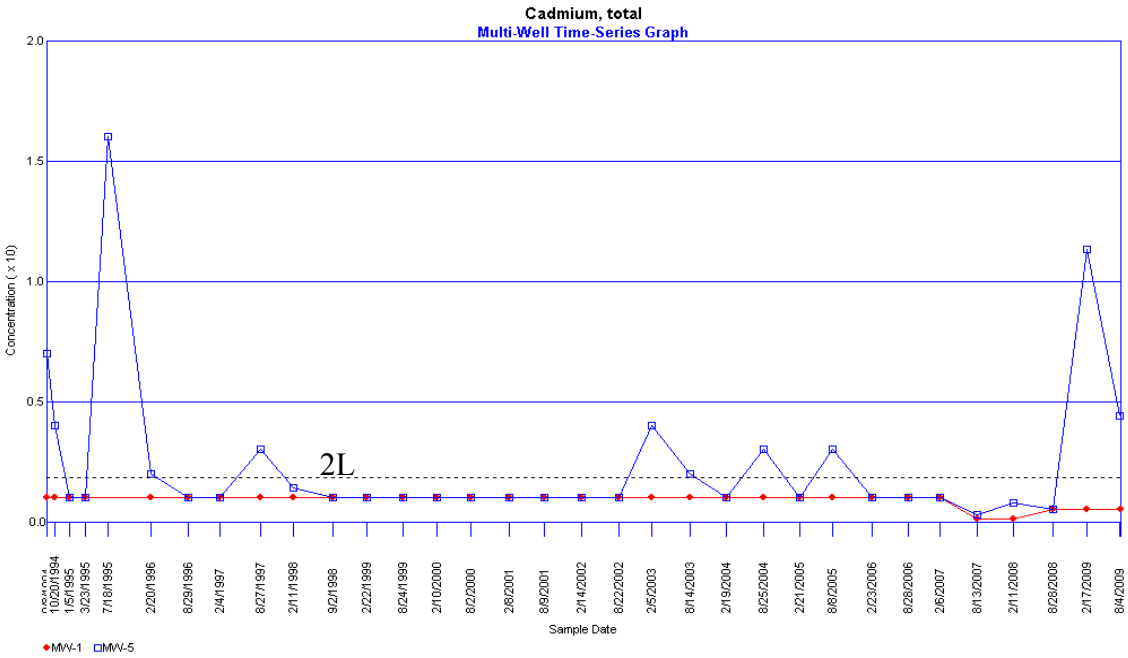




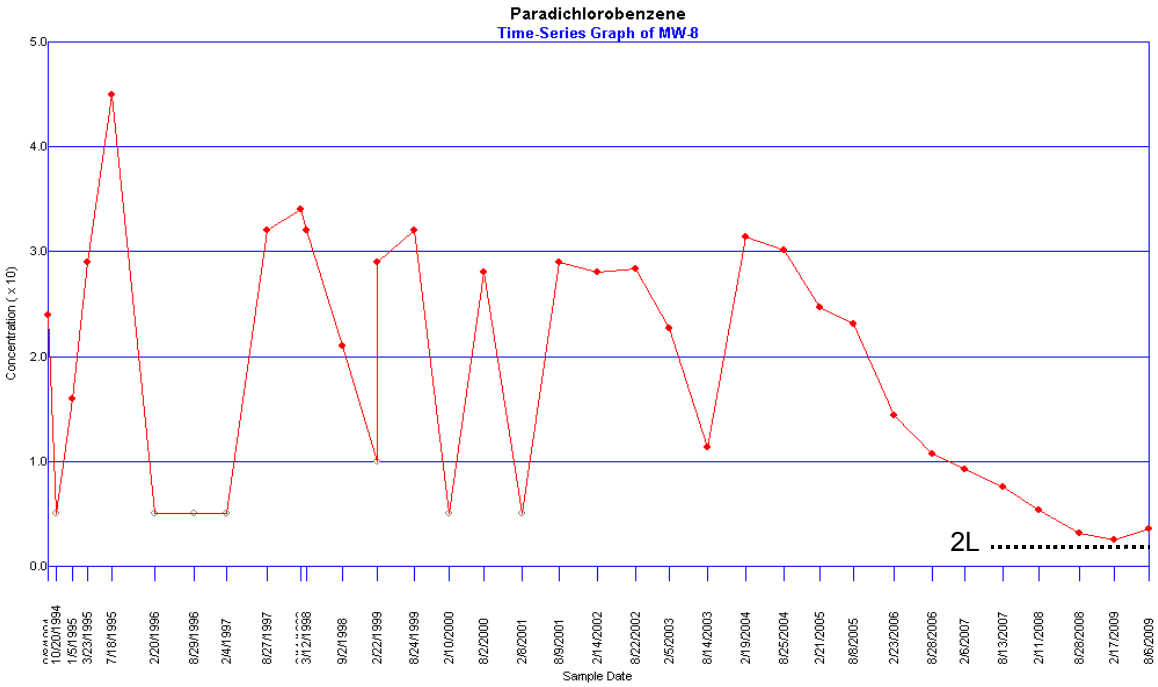
Box Plots for Select Constituents (VOCs)
Wayne County Closed MSWLF and Active C&D Landfill (Dudley)

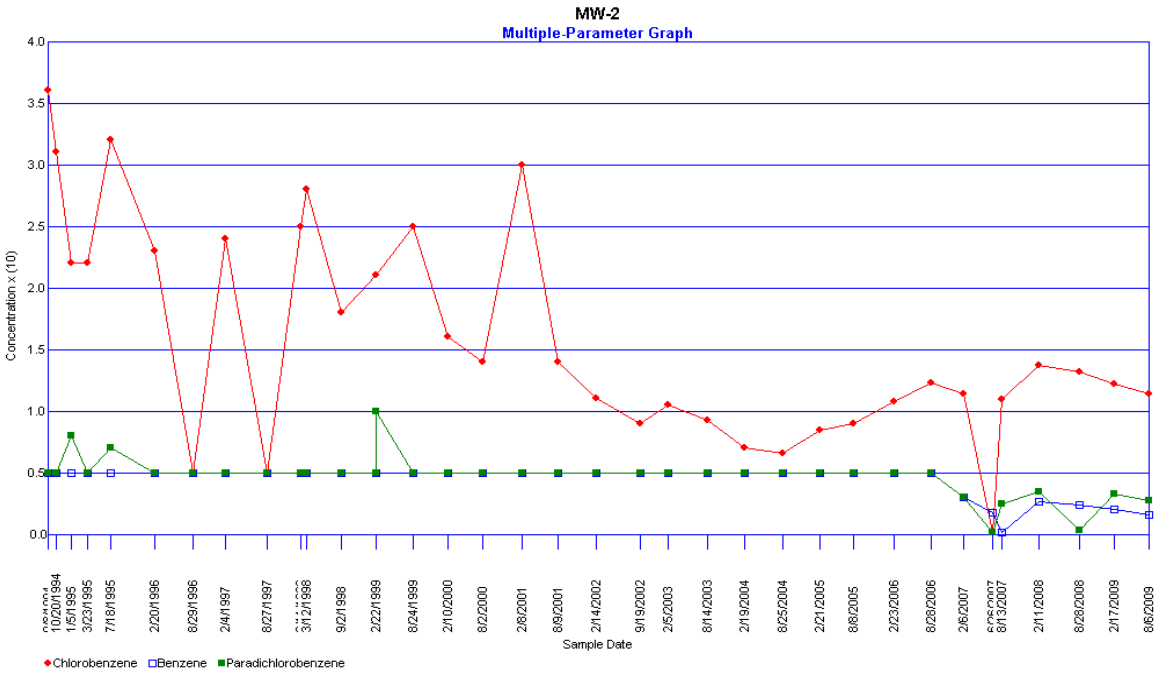


Time Series Plots for Select Constituents (Metals)
Wayne County Closed MSWLF and Active C&D Landfill (Dudley)



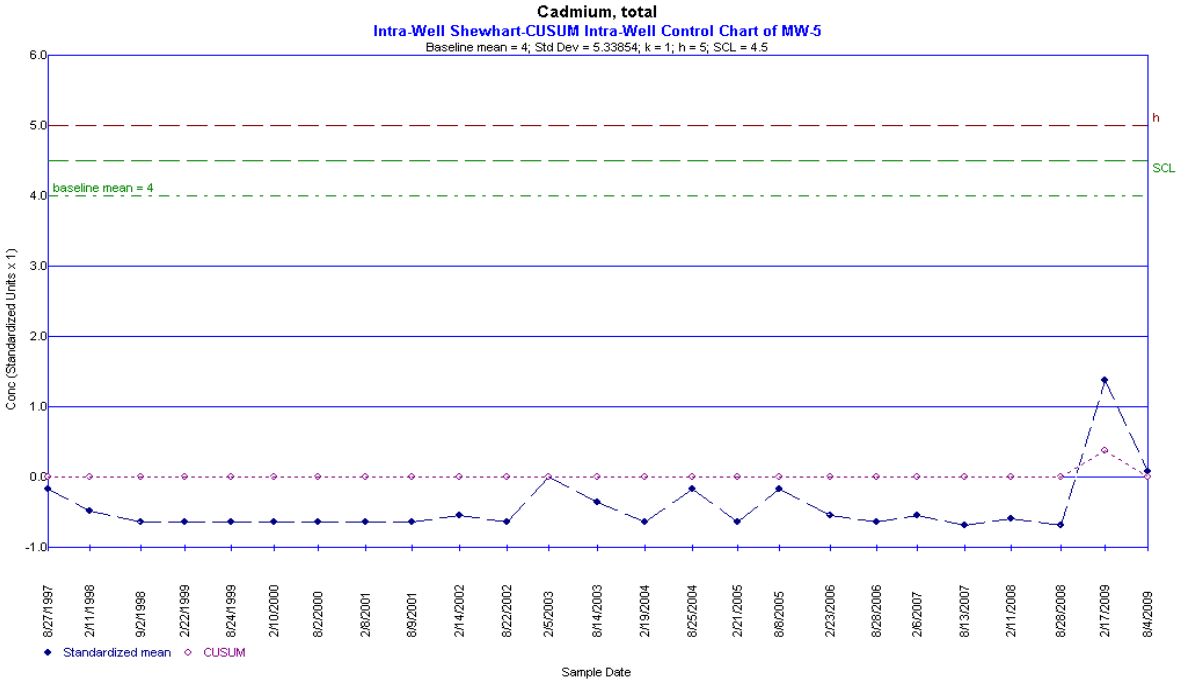
Time Series Plots for Select Constituents (VOCs)
Wayne County Closed MSWLF and Active C&D Landfill (Dudley)





ND Represented with MDL

Shewhart-CUSUM charts for selected constituents
Wayne County Closed MSWLF and Active C&D Landfill (Dudley)



Basic Statistics

Basic Statistics

Parameter: Arsenic, total

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

	Total Observations
286	
Total Non-Detects	241
Pooled Mean	5.92238
Pooled Std Dev	4.82505
Background Mean	4.36719
Background Std Dev	1.35412

Background Wells

There is 1 background well

Well	Samples	Non-Detects	% ND	Total
MW-1	32	30	93.75	139.75

Well	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-1	4.36719	1.35412	0	4121	128.781

Compliance Wells

There are 11 compliance wells

Well	Samples	Non-Detects	% ND	Total
MW-6	33	30	90.9091	153.45
MW-5	33	28	84.8485	208.25
MW-7	34	26	76.4706	271.05
MW-2	34	19	55.8824	306
MW-3	33	29	87.8788	188.65
MW-4	33	31	93.9394	150.35
MW-8	33	29	87.8788	169.95
SW-1	18	17	94.4444	83.05
MW-10	1	1	100	1.35
MW-9	1	1	100	1.35
MW-11	1	0	0	20.6

Well	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
MW-6	4.65	2.07082	0.282813	1.12797	4380	132.727
MW-5	6.31061	6.31492	1.94342	1.12797	4726	143.212
MW-7	7.97206	8.84143	3.60487	1.11978	5300	155.882
MW-2	9	5.2617	4.63281	1.11978	6310	185.588
MW-3	5.71667	3.55219	1.34948	1.12797	4576	138.667
MW-4	4.55606	1.14228	0.188873	1.12797	4248	128.727
MW-8	5.15	2.0724	0.782813	1.12797	4533	137.364
SW-1	4.61389	2.62661	0.246701	1.33952	2324	129.111
MW-10	1.35	0	-3.01719	4.61696	121	121
MW-9	1.35	0	-3.01719	4.61696	121	121
MW-11	20.6	0	16.2328	4.61696	281	281

Analysis of Variance Statistics

SS Wells	971.428
SS Total	6635.11

Kruskal-Wallis Statistics

Non-Detect Rank	121
Background Rank Sum	4121
Background Rank Mean	128.781
H Statistic	15.9451
H Adjusted for Ties	39.6983

Basic Statistics

Parameter: Barium, total

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

	Total Observations
286	
Total Non-Detects	247
Pooled Mean	223.041
Pooled Std Dev	89.2902
Background Mean	207.412
Background Std Dev	90.4994

Background Wells

There is 1 background well

Well	Samples	Non-Detects	% ND	Total
MW-1	32	29	90.625	6637.2

Well	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-1	207.412	90.4994	0	4349	135.906

Compliance Wells

There are 11 compliance wells

Well	Samples	Non-Detects	% ND	Total
MW-7	34	30	88.2353	7211.2
MW-4	33	30	90.9091	7067.7
MW-3	33	30	90.9091	7018.5
SW-1	18	16	88.8889	3864.8
MW-5	33	30	90.9091	6943.6
MW-9	1	1	100	0.1
MW-8	33	28	84.8485	7391.1
MW-2	34	28	82.3529	7762.5
MW-6	33	25	75.7576	9557
MW-11	1	0	0	157
MW-10	1	0	0	179

Well	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
MW-7	212.094	82.2745	4.68162	21.2753	4774	140.412
MW-4	214.173	79.8795	6.76023	21.431	4501	136.394
MW-3	212.682	82.883	5.26932	21.431	4493	136.152
SW-1	214.711	139.376	7.29861	25.4502	2519	139.944
MW-5	210.412	85.8559	2.99962	21.431	4484	135.879
MW-9	0.1	0	-207.313	87.7203	124	124
MW-8	223.973	59.937	16.5602	21.431	4791	145.182
MW-2	228.309	51.6776	20.8963	21.2753	5108	150.235
MW-6	289.606	108.11	82.1936	21.431	5353	162.212
MW-11	157	0	-50.4125	87.7203	271	271
MW-10	179	0	-28.4125	87.7203	274	274

Analysis of Variance Statistics

SS Wells	227735
SS Total	2.27223e+006

Kruskal-Wallis Statistics

Non-Detect Rank	124
Background Rank Sum	4349
Background Rank Mean	135.906
H Statistic	7.9851
H Adjusted for Ties	22.4399

Basic Statistics

Parameter: Cadmium, total

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

	Total Observations
286	
Total Non-Detects	239
Pooled Mean	0.754196
Pooled Std Dev	1.36757
Background Mean	0.451562
Background Std Dev	0.118106

Background Wells

There is 1 background well

Well	Samples	Non-Detects	% ND	Total
MW-1	32	30	93.75	14.45

Well	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-1	0.451562	0.118106	0	4081	127.531

Compliance Wells

There are 11 compliance wells

Well	Samples	Non-Detects	% ND	Total
MW-7	34	30	88.2353	23.55
MW-3	33	28	84.8485	22.35
MW-8	33	31	93.9394	15.05
MW-5	33	14	42.4242	73.95
MW-4	33	30	90.9091	15.45
MW-2	34	32	94.1176	15.2
SW-1	18	17	94.4444	8.5
MW-9	1	1	100	0.25
MW-6	33	24	72.7273	26.45
MW-11	1	1	100	0.25
MW-10	1	1	100	0.25

Well	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
MW-7	0.692647	1.13185	0.241085	0.314132	4650	136.765
MW-3	0.677273	0.785622	0.22571	0.316431	4680	141.818
MW-8	0.456061	0.108078	0.00449811	0.316431	4211	127.606
MW-5	2.24091	3.37425	1.78935	0.316431	6793	205.848
MW-4	0.468182	0.150426	0.0166193	0.316431	4346	131.697
MW-2	0.447059	0.119938	-0.00450368	0.314132	4331	127.382
SW-1	0.472222	0.1691	0.0206597	0.375775	2300	127.778
MW-9	0.25	0	-0.201562	1.2952	120	120
MW-6	0.801515	0.725914	0.349953	0.316431	5289	160.273
MW-11	0.25	0	-0.201562	1.2952	120	120
MW-10	0.25	0	-0.201562	1.2952	120	120

Analysis of Variance Statistics

SS Wells	87.303
SS Total	533.02

Kruskal-Wallis Statistics

Non-Detect Rank	120
Background Rank Sum	4081
Background Rank Mean	127.531
H Statistic	25.6183
H Adjusted for Ties	61.519

Basic Statistics

Parameter: Chromium, total

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

	Total Observations
286	
Total Non-Detects	180
Pooled Mean	16.9175
Pooled Std Dev	36.1637
Background Mean	5.54687
Background Std Dev	3.12513

Background Wells

There is 1 background well

Well	Samples	Non-Detects	% ND	Total
MW-1	32	26	81.25	177.5

Well	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-1	5.54687	3.12513	0	3549	110.906

Compliance Wells

There are 11 compliance wells

Well	Samples	Non-Detects	% ND	Total
MW-7	34	15	44.1176	1518.6
MW-6	33	17	51.5152	921.1
MW-5	33	22	66.6667	327.5
SW-1	18	17	94.4444	89.6
MW-4	33	25	75.7576	279.8
MW-2	34	25	73.5294	205.7
MW-8	33	12	36.3636	900.8
MW-3	33	19	57.5758	395.6
MW-9	1	1	100	0.2
MW-10	1	1	100	0.2
MW-11	1	0	0	21.8

Well	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
MW-7	44.6647	80.3482	39.1178	8.45556	6101.5	179.456
MW-6	27.9121	42.2541	22.3652	8.51745	5483.5	166.167
MW-5	9.92424	12.0709	4.37737	8.51745	4456	135.03
SW-1	4.97778	4.90565	-0.569097	10.1148	1779.5	98.8611
MW-4	8.47879	12.1552	2.93191	8.51745	4002.5	121.288
MW-2	6.05	4.00607	0.503125	8.45556	4082.5	120.074
MW-8	27.297	34.56	21.7501	8.51745	6179	187.242
MW-3	11.9879	11.0549	6.441	8.51745	4989.5	151.197
MW-9	0.2	0	-5.34687	34.8632	90.5	90.5
MW-10	0.2	0	-5.34687	34.8632	90.5	90.5
MW-11	21.8	0	16.2531	34.8632	237	237

Analysis of Variance Statistics

SS Wells	49788.6
SS Total	372727

Kruskal-Wallis Statistics

Non-Detect Rank	90.5
Background Rank Sum	3549
Background Rank Mean	110.906
H Statistic	36.189
H Adjusted for Ties	48.2066

Basic Statistics

Parameter: Vanadium

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

	Total Observations
286	
Total Non-Detects	214
Pooled Mean	43.167
Pooled Std Dev	106.874
Background Mean	17.2875
Background Std Dev	6.23573

Background Wells

There is 1 background well

Well	Samples	Non-Detects	% ND	Total
MW-1	32	30	93.75	553.2

Well	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-1	17.2875	6.23573	0	3672	114.75

Compliance Wells

There are 11 compliance wells

Well	Samples	Non-Detects	% ND	Total
MW-8	33	24	72.7273	1161.7
MW-5	33	20	60.6061	1372.5
MW-7	34	16	47.0588	4743.45
MW-2	34	30	88.2353	626.15
SW-1	18	18	100	281.15
MW-3	33	22	66.6667	1407.3
MW-9	1	1	100	0.1
MW-6	33	22	66.6667	1539.3
MW-4	33	30	90.9091	623.4
MW-10	1	1	100	0.1
MW-11	1	0	0	37.4

Well	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
MW-8	35.203	41.7038	17.9155	25.3385	4842	146.727
MW-5	41.5909	53.9948	24.3034	25.3385	5363	162.515
MW-7	139.513	270.96	122.226	25.1544	6436	189.294
MW-2	18.4162	8.8073	1.12868	25.1544	4135	121.618
SW-1	15.6194	8.43433	-1.66806	30.0905	1935	107.5
MW-3	42.6455	46.0971	25.358	25.3385	5176	156.848
MW-9	0.1	0	-17.1875	103.714	107.5	107.5
MW-6	46.6455	80.9278	29.358	25.3385	5112	154.909
MW-4	18.8909	10.6943	1.60341	25.3385	3924	118.909
MW-10	0.1	0	-17.1875	103.714	107.5	107.5
MW-11	37.4	0	20.1125	103.714	231	231

Analysis of Variance Statistics

SS Wells	397302
SS Total	3.2553e+006

Kruskal-Wallis Statistics

Non-Detect Rank	107.5
Background Rank Sum	3672
Background Rank Mean	114.75
H Statistic	27.7793
H Adjusted for Ties	47.8069

Basic Statistics

Parameter: Zinc, total

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

	Total Observations
286	
Total Non-Detects	236
Pooled Mean	25.9035
Pooled Std Dev	31.7931
Background Mean	29.4719
Background Std Dev	41.3227

Background Wells

There is 1 background well

Well	Samples	Non-Detects	% ND	Total
MW-1	32	26	81.25	943.1

Well	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-1	29.4719	41.3227	0	4643	145.094

Compliance Wells

There are 11 compliance wells

Well	Samples	Non-Detects	% ND	Total
MW-10	1	1	100	0.2
MW-7	34	27	79.4118	793.4
SW-1	18	16	88.8889	496.1
MW-3	33	29	87.8788	720.2
MW-6	33	27	81.8182	780.9
MW-8	33	29	87.8788	850.9
MW-2	34	29	85.2941	727.9
MW-4	33	27	81.8182	1156.2
MW-5	33	25	75.7576	903
MW-11	1	0	0	21
MW-9	1	0	0	15.5

Well	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
MW-10	0.2	0	-29.2719	32.6004	118.5	118.5
MW-7	23.3353	11.9042	-6.13658	7.90677	5033.5	148.044
SW-1	27.5611	34.1783	-1.91076	9.45834	2430	135
MW-3	21.8242	7.28676	-7.64763	7.96464	4468.5	135.409
MW-6	23.6636	13.9663	-5.80824	7.96464	4753.5	144.045
MW-8	25.7848	30.108	-3.68703	7.96464	4469.5	135.439
MW-2	21.4088	8.03452	-8.06305	7.90677	4718.5	138.779
MW-4	35.0364	69.7084	5.56449	7.96464	4782.5	144.924
MW-5	27.3636	17.971	-2.10824	7.96464	5098.5	154.5
MW-11	21	0	-8.47188	32.6004	268	268
MW-9	15.5	0	-13.9719	32.6004	257	257

Analysis of Variance Statistics

SS Wells	5699.01
SS Total	288079

Kruskal-Wallis Statistics

Non-Detect Rank	118.5
Background Rank Sum	4643
Background Rank Mean	145.094
H Statistic	5.88043
H Adjusted for Ties	13.4216

Basic Statistics

Parameter: Benzene

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

	Total Observations
296	
Total Non-Detects	286
Pooled Mean	2.1241
Pooled Std Dev	0.904365
Background Mean	2.04882
Background Std Dev	0.926941

Background Wells

There is 1 background well

Well	Samples	Non-Detects	% ND	Total
MW-1	34	34	100	69.66

Well	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-1	2.04882	0.926941	0	4879	143.5

Compliance Wells

There are 11 compliance wells

Well	Samples	Non-Detects	% ND	Total
MW-3	34	33	97.0588	72.21
MW-8	34	31	91.1765	75.975
MW-7	35	35	100	72.095
MW-4	34	34	100	72.035
MW-5	34	34	100	72.035
MW-2	35	29	82.8571	84.38
MW-6	34	34	100	72.035
SW-1	19	19	100	37.935
MW-10	1	1	100	0.125
MW-11	1	1	100	0.125
MW-9	1	1	100	0.125

Well	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
MW-3	2.12382	0.853207	0.075	0.216042	5023.5	147.75
MW-8	2.23456	1.06567	0.185735	0.216042	5320.5	156.485
MW-7	2.05986	0.920484	0.0110336	0.214493	5022.5	143.5
MW-4	2.11868	0.864989	0.0698529	0.216042	4879	143.5
MW-5	2.11868	0.864989	0.0698529	0.216042	4879	143.5
MW-2	2.41086	0.654133	0.362034	0.214493	5916.5	169.043
MW-6	2.11868	0.864989	0.0698529	0.216042	4879	143.5
SW-1	1.99658	1.00167	-0.0522446	0.255143	2726.5	143.5
MW-10	0.125	0	-1.92382	0.903767	143.5	143.5
MW-11	0.125	0	-1.92382	0.903767	143.5	143.5
MW-9	0.125	0	-1.92382	0.903767	143.5	143.5

Analysis of Variance Statistics

SS Wells	15.9312
SS Total	241.273

Kruskal-Wallis Statistics

Non-Detect Rank	143.5
Background Rank Sum	4879
Background Rank Mean	143.5
H Statistic	2.97331
H Adjusted for Ties	30.3502

Basic Statistics

Parameter: Paradichlorobenzene

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

	Total Observations
306	
Total Non-Detects	253
Pooled Mean	4.46962
Pooled Std Dev	6.84447
Background Mean	2.19721
Background Std Dev	0.984139

Background Wells

There is 1 background well

Well	Samples	Non-Detects	% ND	Total
MW-1	34	34	100	74.705

Well	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-1	2.19721	0.984139	0	4318	127

Compliance Wells

There are 11 compliance wells

Well	Samples	Non-Detects	% ND	Total
MW-6	35	17	48.5714	207.3
MW-5	35	35	100	77.205
MW-7	36	36	100	77.28
MW-2	36	30	83.3333	98.64
MW-11	2	2	100	2.365
MW-3	35	35	100	77.205
MW-4	35	34	97.1429	83.705
SW-1	19	19	100	38.07
MW-10	2	2	100	2.065
MW-9	2	2	100	1.965
MW-8	35	7	20	627.2

Well	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
MW-6	5.92286	5.31921	3.72565	1.15037	7090	202.571
MW-5	2.20586	0.970908	0.00865126	1.15037	4445	127
MW-7	2.14667	1.02071	-0.0505392	1.14247	4572	127
MW-2	2.74	1.39897	0.542794	1.14247	5379	149.417
MW-11	1.1825	1.43896	-1.01471	3.47602	254	127
MW-3	2.20586	0.970908	0.00865126	1.15037	4445	127
MW-4	2.39157	1.50409	0.194366	1.15037	4592	131.2
SW-1	2.00368	0.987619	-0.193522	1.36838	2413	127
MW-10	1.0325	1.22683	-1.16471	3.47602	254	127
MW-9	0.9825	1.15612	-1.21471	3.47602	254	127
MW-8	17.92	12.6578	15.7228	1.15037	8955	255.857

Analysis of Variance Statistics

SS Wells	7578.35
SS Total	14288.3

Kruskal-Wallis Statistics

Non-Detect Rank	127
Background Rank Sum	4318
Background Rank Mean	127
H Statistic	74.708
H Adjusted for Ties	171.818

Basic Statistics

Parameter: Chlorobenzene

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

	Total Observations
296	
Total Non-Detects	218
Pooled Mean	5.5884
Pooled Std Dev	8.1083
Background Mean	2.04676
Background Std Dev	0.931389

Background Wells

There is 1 background well

Well	Samples	Non-Detects	% ND	Total
MW-1	34	34	100	69.59

Well	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-1	2.04676	0.931389	0	3723	109.5

Compliance Wells

There are 11 compliance wells

Well	Samples	Non-Detects	% ND	Total
MW-8	34	4	11.7647	547.7
MW-6	34	19	55.8824	153.145
MW-4	34	33	97.0588	76.775
MW-7	35	35	100	72.055
MW-5	34	34	100	71.975
MW-3	34	34	100	71.975
SW-1	19	19	100	37.925
MW-9	1	1	100	0.115
MW-11	1	1	100	0.115
MW-10	1	1	100	0.115
MW-2	35	3	8.57143	552.68

Well	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
MW-8	16.1088	13.6492	14.0621	1.40674	8303	244.206
MW-6	4.50426	3.6727	2.4575	1.40674	5635.5	165.75
MW-4	2.25809	1.24284	0.211324	1.40674	3847.5	113.162
MW-7	2.05871	0.922973	0.0119496	1.39666	3832.5	109.5
MW-5	2.11691	0.869228	0.0701471	1.40674	3723	109.5
MW-3	2.11691	0.869228	0.0701471	1.40674	3723	109.5
SW-1	1.99605	1.00266	-0.0507121	1.66135	2080.5	109.5
MW-9	0.115	0	-1.93176	5.88483	109.5	109.5
MW-11	0.115	0	-1.93176	5.88483	109.5	109.5
MW-10	0.115	0	-1.93176	5.88483	109.5	109.5
MW-2	15.7909	9.04995	13.7441	1.39666	8759.5	250.271

Analysis of Variance Statistics

SS Wells	9840.38
SS Total	19394.6

Kruskal-Wallis Statistics

Non-Detect Rank	109.5
Background Rank Sum	3723
Background Rank Mean	109.5
H Statistic	132.18
H Adjusted for Ties	220.108

Laboratory Results

Sampling Data Sheet

Municipal Services Engineering Company
Garner, NC Boone, NC

Project: Wayne Co Closed MSWLF & Active C&D LF, Dudley

Samplers: J. Pfohl Page 1 of 1

Monitoring Point	Sample Date	Sample Time	Sampling Parameters: Depth to Water (BTOP) Static	Lab Parameters to be analyzed for	Volume Purged (Gal)	Sample Type	Goes Dry During Purge	Notes	Total Depth	Water Quality Parameters: CO2 (mg/l)	DO (mg/L)	ORP	pH	Temp. ©	Specific Cond. (us/cm	TDS (mg/L)	Turbidity	CH4 Gas Vapors (ppm)
MW-1	8/6/09	9:00	16.65	MNA	8	P&DB	N	hinge replaced	25	20	6.9	270	5.13	21.7	30	10	11.9c	NR
MW-2	8/6/09	2:30	5.44	MNA	9	P&DB	Y	smooth	15	>100	0.9	193	6.45	24.1	1290	250	13.8c	
MW-3	8/4/09	11:00	0.73	DM	13	P&DB	N		18	NR	0.1	130	6.23	20.4	40	20	7.47c	
MW-4	8/4/09	10:00	7.25	DM	10	P&DB	N		15		0.5	130	6.63	20.2	110	50	8.10c	
MW-5	8/4/09	11:45	3.89	DM	11	P&DB	Y		18		1.7	98	6.51	19.1	90	40	32.1c	
MW-6	8/4/09	10:35	6.57	DM	12	P&DB	N		18.14		1.6	97	6.52	20.4	200	90	4.38c	
MW-7	8/4/09	1:45	8.22	DM	9	P&DB	N		19	NR	2.6	131	6.28	18.3	20	0	5.73c	
MW-8	8/6/09	10:00	19.95	MNA	9	P&DB	N	PVC 1.33' below top of	29	>100	0.9	242	4.65	20.2	90	40	76.3c	
SW-1	8/6/09		-	DM	-	Dip	-		-	10	7.1	363	6.89	16.8	30	10	8.16c	-
SW-2	NS	NS	DRY	DM	-	—	-	DRY	-	—	—	—	—	—	—	—	—	-
SW-3	NS	NS	DRY	DM	-	—	-	DRY	-	—	—	—	—	—	—	—	—	-
MW-9	NS	NS	20.36	WLR Only	-	-	-	-	28.37 BTOP	-	-	-	-	-	-	-	-	-
MW-10	NS	NS	19.81	WLR Only	-	-	-	-	27.96 BTOP	-	-	-	-	-	-	-	-	-
MW-11	NS	NS	3.40	WLR Only	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sampled separately previously Joint

Comments

SS B=Stainless Steel Baler, D B=Disposable Baler, P=Low flow Pump, PD=Purged Dry

VT=Very Turbid, MT=Moderately Turbid, ST=Slightly Turbid, C=Clear

NR=No Reading Attempted, NS=No Sample Obtained

Municipal Services Engineering Company, P.A.
Garner, NC Boone, NC

Municipal Engineering Services Company, P.A.
Garner, Boone and Morehead City, North Carolina

PRE-SAMPLING WELL PURGING REPORT

WELL NO: MW-9
DATE: 7/23/09
INNER CASING DIA: 2 inches
TOTAL DEPTH: 25 ~~20.0~~ feet (TD)
DEPTH TO WATER: 20.07 feet (DTW)
6 toc ~17.55 bgs

PROJECT: Wayne Co. Closed LF
PROJECT NO: 607058.0
HEADSPACE OVA READING (ppm): —
WEATHER CONDITIONS: 90's hot humid

PURGING / DEVELOPMENT

FLUSHING / PURGING	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
Water Level (before)						
Water Level (after)						
Time Begin Flushing						
Time End Flushing						
Estimated Volume Flushed (gal)						
Well Volumes Removed (gal)	0	1.22	2.44	3.66	4.88	6.10
		1	2	3		
FIELD PARAMETERS						
pH (standard units)	4.91	4.83	4.73	4.76		
Redox Potential (mV)	38.5	37.0	38.6	33.7		
Temperature (°C)	18.1	17.9	18.9	19.0		
Specific Conductivity (~~µS~~ mS/cm)	0.073	0.073	0.074	0.074		
Total Dissolved Solids (ppm)						
Turbidity (NTU)	109	415	111	17.3		
Dissolved Oxygen (mg/L or ppm)	~~1.09~~ 3.42	3.26	3.14	3.81		

COMMENTS: Sampled @ 1600-1700

WELL VOLUME CALCULATIONS:

1 well volume = π x [casing radius]^2 x [water column] $\pi = 3.14159\ldots$

1 well volume (ft^3) = Size Factor: 0.02182 x [TD: 25 - DTW: 17.5] = 0.164

1 well volume (gal) = Well Volume (ft^3): 1.22 x 7.48 gal/ft^3

Size Factors by casing diameter: 1" Dia.- 0.005454 2" Dia.- 0.02182 4" Dia.- 0.08727

Note: Size Factors include inches-to-feet coversion for well radius.

Municipal Services Engineering Company, P.A.
Garner, NC Boone, NC
Municipal Engineering Services Company, P.A.
Garner, Boone and Morehead City, North Carolina

PRE-SAMPLING WELL PURGING REPORT

WELL NO: MW-10
DATE: 7/23/09 - 7/24/09
INNER CASING DIA: 2 inches
TOTAL DEPTH: 25 feet (TD)
DEPTH TO WATER: 19.48 btoc feet (DTW)
≈17.0' bgs

PROJECT: Wayne Co. Closed LF
PROJECT NO: 607058.0
HEADSPACE OVA READING (ppm): —
WEATHER CONDITIONS: 90s hot humid

PURGING / DEVELOPMENT

FLUSHING / PURGING	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
Water Level (before)						
Water Level (after)						
Time Begin Flushing						
Time End Flushing						
Estimated Volume Flushed (gal)						
Well Volumes Removed (gal)	0	1.31	2.62	3.93	4.24	5.55
	0	1	2	3	4	5
FIELD PARAMETERS						
pH (standard units)	5.13	4.73	4.92	4.58	4.56	
Redox Potential (mV)	54.6	39.6	16.2	27.8	34.4	
Temperature (°C)	19.1	18.8	18.1	17.6		
Specific Conductivity (~~µS~~ mS/cm)	0.065	0.058	0.063	0.060	0.058	
Total Dissolved Solids (ppm)						
Turbidity (NTU)	86.8	158	3.66	10.2	2.90	
Dissolved Oxygen (mg/L or ppm)	5.76	5.78	5.20	4.67	5.59	
	7/23	7/23	7/24	7/24	7/24	

COMMENTS: Started set-up 1700. At 1800 too hot to continue. Picked up A.M. 7/24/09 Sampled: 0810 - 7/24/09
0845

WELL VOLUME CALCULATIONS:

1 well volume = π x [casing radius]^2 x [water column] π = 3.14159...

1 well volume (ft^3) = Size Factor: 0.02182 x [TD: 25 - DTW: 17] = 0.175

1 well volume (gal) = Well Volume (ft^3): 1.31 x 7.48 gal/ft^3

Size Factors by casing diameter: 1" Dia.- 0.005454 2" Dia.- 0.02182 4" Dia.- 0.08727

Note: Size Factors include inches-to-feet coversion for well radius.

Municipal Services Engineering Company, P.A.
Garner, NC Boone, NC

Municipal Engineering Services Company, P.A.
Garner, Boone and Morehead City, North Carolina

PRE-SAMPLING WELL PURGING REPORT

WELL NO: MW-11
DATE: 7/23/09
INNER CASING DIA: 2 inches
TOTAL DEPTH: 15 feet (TD)
DEPTH TO WATER: 3.50 btoc feet (DTW)
~1.0 bgs

PROJECT: Wayne Co. Closed LF
PROJECT NO: 607058.0
HEADSPACE OVA READING (ppm): —
WEATHER CONDITIONS: 90s hot humid

PURGING / DEVELOPMENT

FLUSHING / PURGING	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME	WELL VOLUME
Water Level (before)						
Water Level (after)						
Time Begin Flushing						
Time End Flushing						
Estimated Volume Flushed (gal)						
Well Volumes Removed (gal)	0	2.3	4.6	6.9	9.2	11.5
	0	1	2	3	4	5
FIELD PARAMETERS						
pH (standard units)	5.62	5.45	5.43	5.50	5.61	5.65
Redox Potential (mV)	30.9	39.1	46.2	44.3	42.9	40.1
Temperature (°C)	21.2	20.8	20.8	21.4	22.1	22.7
Specific Conductivity (~~µS~~ mS/cm)	1.42	1.36	1.37	1.38	1.39	1.37
Total Dissolved Solids (ppm)						
Turbidity (NTU)	>1,000	>1,000	>1,000	766	441	312
Dissolved Oxygen (mg/L or ppm)	~~2.6~~ mg/L	1.67	1.45	2.11	2.83	~~2.65~~ 2.53

~~1.98~~ 1.86

COMMENTS:

WELL VOLUME CALCULATIONS:

1 well volume = π x [casing radius]^2 x [water column] π = 3.14159...

1 well volume (ft^3) = Size Factor: 0.02182 x [TD: 15 - DTW: 1] = 0.31

1 well volume (gal) = Well Volume (ft^3): 2.3 x 7.48 gal/ft^3

Size Factors by casing diameter: 1" Dia.- 0.005454 2" Dia.- 0.02182 4" Dia.- 0.08727

Note: Size Factors include inches-to-feet coversion for well radius.

Pace Analytical Services, Inc.
2225 Riverside Dr.
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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

September 17, 2009

Mr. Jonathan Pfohl
Municipal Engineering Services
PO Box 97
Garner, NC 27529

RE: Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory between August 05, 2009 and August 07, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Brandon Helton

Brandon Helton for
Bonnie McKee
bonnie.mckee@pacelabs.com
Project Manager

Enclosures

cc: Ms. Maggie German, Municipal Engineering Services

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CERTIFICATIONS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Charlotte Certification IDs

West Virginia Certification #: 357
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 990060001
South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010

Asheville Certification IDs

West Virginia Certification #: 356
Florida/NELAP Certification #: E87648
Louisiana/LELAP Certification #: 03095
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
Connecticut Certification #: PH-0106
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 99030002
South Carolina Certification #: 99030001
Tennessee Certification #: 2980
Virginia Certification #: 00072
North Carolina Drinking Water Certification #: 37712

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(704)875-9092

SAMPLE SUMMARY

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9250227001	**MW-3**	Water	08/04/09 11:00	08/05/09 16:50
9250227002	**MW-4**	Water	08/04/09 10:00	08/05/09 16:50
9250227003	**MW-5**	Water	08/04/09 11:45	08/05/09 16:50
9250227004	**MW-6**	Water	08/04/09 10:35	08/05/09 16:50
9250227005	**MW-7**	Water	08/04/09 13:45	08/05/09 16:50
9250227006	**MW-1**	Water	08/06/09 09:00	08/07/09 14:37
9250227007	**MW-2**	Water	08/06/09 14:30	08/07/09 14:37
9250227008	**MW-8**	Water	08/06/09 14:30	08/07/09 14:37
9250227009	**SW-1**	Water	08/06/09 00:00	08/07/09 14:37

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SAMPLE ANALYTE COUNT

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9250227001	**MW-3**	EPA 6010	SHB	15	PASI-A
		EPA 7470	SAJ	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9250227002	**MW-4**	EPA 6010	SHB	15	PASI-A
		EPA 7470	SAJ	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9250227003	**MW-5**	EPA 6010	SHB	15	PASI-A
		EPA 7470	SAJ	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9250227004	**MW-6**	EPA 6010	SHB	15	PASI-A
		EPA 7470	SAJ	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9250227005	**MW-7**	EPA 6010	SHB	15	PASI-A
		EPA 7470	SAJ	1	PASI-A
		EPA 8260	MCK	54	PASI-C
9250227006	**MW-1**	ASTM D516-90	LEP	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		EPA 6010	SHB	16	PASI-A
		EPA 7470	SAJ	1	PASI-A
		EPA 8260	MCK	54	PASI-C
		SM 2320B	LEP	1	PASI-A
		SM 4500-Cl-E	LEP	1	PASI-A
		SM 4500-S2D	JDA	1	PASI-A
		SM 5210B	JMW	1	PASI-A
		SM 5220D	TEE	1	PASI-A
		SM 5310B	EWS	1	PASI-A
9250227007	**MW-2**	ASTM D516-90	LEP	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		EPA 6010	SHB	16	PASI-A
		EPA 7470	SAJ	1	PASI-A
		EPA 8260	MCK	54	PASI-C
		SM 2320B	LEP	1	PASI-A
		SM 4500-Cl-E	LEP	1	PASI-A
		SM 4500-S2D	JDA	1	PASI-A
		SM 5210B	JMW	1	PASI-A
		SM 5220D	TEE	1	PASI-A
		SM 5310B	EWS	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9250227008	**MW-8**	ASTM D516-90	LEP	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		EPA 6010	SHB	16	PASI-A
		EPA 7470	SAJ	1	PASI-A
		EPA 8260	MCK	54	PASI-C
		SM 2320B	LEP	1	PASI-A
		SM 4500-Cl-E	LEP	1	PASI-A
		SM 4500-S2D	JDA	1	PASI-A
		SM 5210B	JMW	1	PASI-A
		SM 5220D	TEE	1	PASI-A
		SM 5310B	EWS	1	PASI-A
9250227009	**SW-1**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-3 **Lab ID: 9250227001** Collected: 08/04/09 11:00 Received: 08/05/09 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	08/07/09 11:10	08/13/09 02:45	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	08/07/09 11:10	08/13/09 02:45	7440-38-2	
Barium	**17.0J**	ug/L	100	0.20	1	08/07/09 11:10	08/13/09 02:45	7440-39-3	
Beryllium	**0.24J**	ug/L	1.0	0.10	1	08/07/09 11:10	08/13/09 02:45	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	08/07/09 11:10	08/13/09 02:45	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	08/07/09 11:10	08/13/09 02:45	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	08/07/09 11:10	08/13/09 02:45	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	08/07/09 11:10	08/13/09 02:45	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	08/07/09 11:10	08/13/09 02:45	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	08/07/09 11:10	08/13/09 02:45	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	08/07/09 11:10	08/13/09 02:45	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	08/07/09 11:10	08/13/09 02:45	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	08/07/09 11:10	08/13/09 02:45	7440-28-0	
Vanadium	**1.1J**	ug/L	25.0	0.20	1	08/07/09 11:10	08/13/09 02:45	7440-62-2	Z2
Zinc	**17.8**	ug/L	10.0	0.40	1	08/07/09 11:10	08/13/09 02:45	7440-66-6	Z2
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	08/17/09 11:18	08/17/09 14:35	7439-97-6	M0
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/11/09 15:27	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		08/11/09 15:27	107-13-1	
Benzene	**0.30J**	ug/L	1.0	0.25	1		08/11/09 15:27	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/11/09 15:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/11/09 15:27	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/11/09 15:27	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/11/09 15:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/11/09 15:27	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/11/09 15:27	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/11/09 15:27	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/11/09 15:27	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/11/09 15:27	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/11/09 15:27	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/11/09 15:27	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/11/09 15:27	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/11/09 15:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/11/09 15:27	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/11/09 15:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/11/09 15:27	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/11/09 15:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/11/09 15:27	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/11/09 15:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/11/09 15:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/11/09 15:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/11/09 15:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/11/09 15:27	156-60-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-3 **Lab ID: 9250227001** Collected: 08/04/09 11:00 Received: 08/05/09 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/11/09 15:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/11/09 15:27	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/11/09 15:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/11/09 15:27	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/11/09 15:27	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/11/09 15:27	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/11/09 15:27	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		08/11/09 15:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/11/09 15:27	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		08/11/09 15:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/11/09 15:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/11/09 15:27	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/11/09 15:27	127-18-4	
Toluene	**0.60J**	ug/L	1.0	0.26	1		08/11/09 15:27	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/11/09 15:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/11/09 15:27	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/11/09 15:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/11/09 15:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/11/09 15:27	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/11/09 15:27	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/11/09 15:27	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/11/09 15:27	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/11/09 15:27	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		08/11/09 15:27	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109		1		08/11/09 15:27	460-00-4	
Dibromofluoromethane (S)	103	%	85-115		1		08/11/09 15:27	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	79-120		1		08/11/09 15:27	17060-07-0	
Toluene-d8 (S)	102	%	70-120		1		08/11/09 15:27	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-4 **Lab ID: 9250227002** Collected: 08/04/09 10:00 Received: 08/05/09 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	08/07/09 11:10	08/13/09 02:49	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	08/07/09 11:10	08/13/09 02:49	7440-38-2	
Barium	**69.8J**	ug/L	100	0.20	1	08/07/09 11:10	08/13/09 02:49	7440-39-3	
Beryllium	**0.10J**	ug/L	1.0	0.10	1	08/07/09 11:10	08/13/09 02:49	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	08/07/09 11:10	08/13/09 02:49	7440-43-9	
Chromium	**0.83J**	ug/L	10.0	0.40	1	08/07/09 11:10	08/13/09 02:49	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	08/07/09 11:10	08/13/09 02:49	7440-48-4	
Copper	**2.7J**	ug/L	10.0	0.30	1	08/07/09 11:10	08/13/09 02:49	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	08/07/09 11:10	08/13/09 02:49	7439-92-1	
Nickel	**14.3J**	ug/L	50.0	1.7	1	08/07/09 11:10	08/13/09 02:49	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	08/07/09 11:10	08/13/09 02:49	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	08/07/09 11:10	08/13/09 02:49	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	08/07/09 11:10	08/13/09 02:49	7440-28-0	
Vanadium	**0.95J**	ug/L	25.0	0.20	1	08/07/09 11:10	08/13/09 02:49	7440-62-2	Z2
Zinc	**33.3**	ug/L	10.0	0.40	1	08/07/09 11:10	08/13/09 02:49	7440-66-6	Z2
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	08/17/09 11:18	08/17/09 14:40	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/12/09 21:48	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		08/12/09 21:48	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		08/12/09 21:48	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/12/09 21:48	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/12/09 21:48	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/12/09 21:48	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/12/09 21:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/12/09 21:48	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/12/09 21:48	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/12/09 21:48	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/12/09 21:48	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/12/09 21:48	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/12/09 21:48	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/12/09 21:48	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/12/09 21:48	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/12/09 21:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/12/09 21:48	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/12/09 21:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/12/09 21:48	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/12/09 21:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/12/09 21:48	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/12/09 21:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/12/09 21:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/12/09 21:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/12/09 21:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/12/09 21:48	156-60-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-4 **Lab ID: 9250227002** Collected: 08/04/09 10:00 Received: 08/05/09 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/12/09 21:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/12/09 21:48	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/12/09 21:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/12/09 21:48	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/12/09 21:48	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/12/09 21:48	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/12/09 21:48	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		08/12/09 21:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/12/09 21:48	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		08/12/09 21:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/12/09 21:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/12/09 21:48	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/12/09 21:48	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/12/09 21:48	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/12/09 21:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/12/09 21:48	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/12/09 21:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/12/09 21:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/12/09 21:48	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/12/09 21:48	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/12/09 21:48	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/12/09 21:48	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/12/09 21:48	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		08/12/09 21:48	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		08/12/09 21:48	460-00-4	
Dibromofluoromethane (S)	103	%	85-115		1		08/12/09 21:48	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		08/12/09 21:48	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		08/12/09 21:48	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-5 **Lab ID: 9250227003** Collected: 08/04/09 11:45 Received: 08/05/09 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	08/07/09 11:10	08/13/09 02:52	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	08/07/09 11:10	08/13/09 02:52	7440-38-2	
Barium	**25.8J**	ug/L	100	0.20	1	08/07/09 11:10	08/13/09 02:52	7440-39-3	
Beryllium	**0.39J**	ug/L	1.0	0.10	1	08/07/09 11:10	08/13/09 02:52	7440-41-7	
Cadmium	**4.4**	ug/L	1.0	0.50	1	08/07/09 11:10	08/13/09 02:52	7440-43-9	
Chromium	**1.9J**	ug/L	10.0	0.40	1	08/07/09 11:10	08/13/09 02:52	7440-47-3	
Cobalt	**1.4J**	ug/L	10.0	0.60	1	08/07/09 11:10	08/13/09 02:52	7440-48-4	
Copper	**1.3J**	ug/L	10.0	0.30	1	08/07/09 11:10	08/13/09 02:52	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	08/07/09 11:10	08/13/09 02:52	7439-92-1	
Nickel	**2.8J**	ug/L	50.0	1.7	1	08/07/09 11:10	08/13/09 02:52	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	08/07/09 11:10	08/13/09 02:52	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	08/07/09 11:10	08/13/09 02:52	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	08/07/09 11:10	08/13/09 02:52	7440-28-0	
Vanadium	**7.5J**	ug/L	25.0	0.20	1	08/07/09 11:10	08/13/09 02:52	7440-62-2	Z2
Zinc	**26.6**	ug/L	10.0	0.40	1	08/07/09 11:10	08/13/09 02:52	7440-66-6	Z2
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	08/17/09 11:18	08/17/09 14:50	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/12/09 22:07	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		08/12/09 22:07	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		08/12/09 22:07	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/12/09 22:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/12/09 22:07	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/12/09 22:07	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/12/09 22:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/12/09 22:07	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/12/09 22:07	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/12/09 22:07	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/12/09 22:07	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/12/09 22:07	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/12/09 22:07	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/12/09 22:07	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/12/09 22:07	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/12/09 22:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/12/09 22:07	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/12/09 22:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/12/09 22:07	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/12/09 22:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/12/09 22:07	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/12/09 22:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/12/09 22:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/12/09 22:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/12/09 22:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/12/09 22:07	156-60-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-5 **Lab ID: 9250227003** Collected: 08/04/09 11:45 Received: 08/05/09 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/12/09 22:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/12/09 22:07	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/12/09 22:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/12/09 22:07	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/12/09 22:07	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/12/09 22:07	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/12/09 22:07	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		08/12/09 22:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/12/09 22:07	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		08/12/09 22:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/12/09 22:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/12/09 22:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/12/09 22:07	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/12/09 22:07	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/12/09 22:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/12/09 22:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/12/09 22:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/12/09 22:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/12/09 22:07	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/12/09 22:07	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/12/09 22:07	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/12/09 22:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/12/09 22:07	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		08/12/09 22:07	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109		1		08/12/09 22:07	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		08/12/09 22:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	79-120		1		08/12/09 22:07	17060-07-0	
Toluene-d8 (S)	102	%	70-120		1		08/12/09 22:07	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-6 **Lab ID: 9250227004** Collected: 08/04/09 10:35 Received: 08/05/09 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	08/07/09 11:10	08/13/09 02:56	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	08/07/09 11:10	08/13/09 02:56	7440-38-2	
Barium	**247**	ug/L	100	0.20	1	08/07/09 11:10	08/13/09 02:56	7440-39-3	
Beryllium	**0.80J**	ug/L	1.0	0.10	1	08/07/09 11:10	08/13/09 02:56	7440-41-7	
Cadmium	**1.4**	ug/L	1.0	0.50	1	08/07/09 11:10	08/13/09 02:56	7440-43-9	
Chromium	**1.5J**	ug/L	10.0	0.40	1	08/07/09 11:10	08/13/09 02:56	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	08/07/09 11:10	08/13/09 02:56	7440-48-4	
Copper	**0.72J**	ug/L	10.0	0.30	1	08/07/09 11:10	08/13/09 02:56	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	08/07/09 11:10	08/13/09 02:56	7439-92-1	
Nickel	**4.4J**	ug/L	50.0	1.7	1	08/07/09 11:10	08/13/09 02:56	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	08/07/09 11:10	08/13/09 02:56	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	08/07/09 11:10	08/13/09 02:56	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	08/07/09 11:10	08/13/09 02:56	7440-28-0	
Vanadium	**0.82J**	ug/L	25.0	0.20	1	08/07/09 11:10	08/13/09 02:56	7440-62-2	Z2
Zinc	**13.3**	ug/L	10.0	0.40	1	08/07/09 11:10	08/13/09 02:56	7440-66-6	Z2
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	08/17/09 11:18	08/17/09 14:52	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/11/09 08:02	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		08/11/09 08:02	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		08/11/09 08:02	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/11/09 08:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/11/09 08:02	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/11/09 08:02	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/11/09 08:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/11/09 08:02	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/11/09 08:02	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/11/09 08:02	56-23-5	
Chlorobenzene	**0.45J**	ug/L	3.0	0.23	1		08/11/09 08:02	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/11/09 08:02	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/11/09 08:02	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/11/09 08:02	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/11/09 08:02	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/11/09 08:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/11/09 08:02	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/11/09 08:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/11/09 08:02	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/11/09 08:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/11/09 08:02	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/11/09 08:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/11/09 08:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/11/09 08:02	75-35-4	
cis-1,2-Dichloroethene	**0.55J**	ug/L	5.0	0.19	1		08/11/09 08:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/11/09 08:02	156-60-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-6 **Lab ID: 9250227004** Collected: 08/04/09 10:35 Received: 08/05/09 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/11/09 08:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/11/09 08:02	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/11/09 08:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/11/09 08:02	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/11/09 08:02	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/11/09 08:02	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/11/09 08:02	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		08/11/09 08:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/11/09 08:02	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		08/11/09 08:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/11/09 08:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/11/09 08:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/11/09 08:02	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/11/09 08:02	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/11/09 08:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/11/09 08:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/11/09 08:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/11/09 08:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/11/09 08:02	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/11/09 08:02	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/11/09 08:02	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/11/09 08:02	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/11/09 08:02	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		08/11/09 08:02	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109		1		08/11/09 08:02	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		08/11/09 08:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	79-120		1		08/11/09 08:02	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		08/11/09 08:02	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-7 **Lab ID: 9250227005** Collected: 08/04/09 13:45 Received: 08/05/09 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	08/07/09 11:10	08/13/09 03:00	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	08/07/09 11:10	08/13/09 03:00	7440-38-2	
Barium	**56.0J**	ug/L	100	0.20	1	08/07/09 11:10	08/13/09 03:00	7440-39-3	
Beryllium	**0.11J**	ug/L	1.0	0.10	1	08/07/09 11:10	08/13/09 03:00	7440-41-7	
Cadmium	**1.5**	ug/L	1.0	0.50	1	08/07/09 11:10	08/13/09 03:00	7440-43-9	
Chromium	**3.0J**	ug/L	10.0	0.40	1	08/07/09 11:10	08/13/09 03:00	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	08/07/09 11:10	08/13/09 03:00	7440-48-4	
Copper	**1.5J**	ug/L	10.0	0.30	1	08/07/09 11:10	08/13/09 03:00	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	08/07/09 11:10	08/13/09 03:00	7439-92-1	
Nickel	**2.0J**	ug/L	50.0	1.7	1	08/07/09 11:10	08/13/09 03:00	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	08/07/09 11:10	08/13/09 03:00	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	08/07/09 11:10	08/13/09 03:00	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	08/07/09 11:10	08/13/09 03:00	7440-28-0	
Vanadium	**2.4J**	ug/L	25.0	0.20	1	08/07/09 11:10	08/13/09 03:00	7440-62-2	Z2
Zinc	**11.2**	ug/L	10.0	0.40	1	08/07/09 11:10	08/13/09 03:00	7440-66-6	Z2
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	08/17/09 11:18	08/17/09 14:55	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/11/09 08:21	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		08/11/09 08:21	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		08/11/09 08:21	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/11/09 08:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/11/09 08:21	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/11/09 08:21	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/11/09 08:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/11/09 08:21	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/11/09 08:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/11/09 08:21	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/11/09 08:21	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/11/09 08:21	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/11/09 08:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/11/09 08:21	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/11/09 08:21	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/11/09 08:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/11/09 08:21	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/11/09 08:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/11/09 08:21	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/11/09 08:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/11/09 08:21	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/11/09 08:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/11/09 08:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/11/09 08:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/11/09 08:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/11/09 08:21	156-60-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-7 **Lab ID: 9250227005** Collected: 08/04/09 13:45 Received: 08/05/09 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/11/09 08:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/11/09 08:21	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/11/09 08:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/11/09 08:21	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/11/09 08:21	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/11/09 08:21	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/11/09 08:21	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		08/11/09 08:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/11/09 08:21	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		08/11/09 08:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/11/09 08:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/11/09 08:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/11/09 08:21	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/11/09 08:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/11/09 08:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/11/09 08:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/11/09 08:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/11/09 08:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/11/09 08:21	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/11/09 08:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/11/09 08:21	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/11/09 08:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/11/09 08:21	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		08/11/09 08:21	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		08/11/09 08:21	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		08/11/09 08:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	79-120		1		08/11/09 08:21	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		08/11/09 08:21	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-1 **Lab ID: 9250227006** Collected: 08/06/09 09:00 Received: 08/07/09 14:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	08/14/09 12:35	08/17/09 21:39	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	08/14/09 12:35	08/17/09 21:39	7440-38-2	
Barium	**17.6J**	ug/L	100	0.20	1	08/14/09 12:35	08/17/09 21:39	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	08/14/09 12:35	08/17/09 21:39	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	08/14/09 12:35	08/17/09 21:39	7440-43-9	
Chromium	**0.49J**	ug/L	10.0	0.40	1	08/14/09 12:35	08/17/09 21:39	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	08/14/09 12:35	08/17/09 21:39	7440-48-4	
Copper	**1.5J**	ug/L	10.0	0.30	1	08/14/09 12:35	08/17/09 21:39	7440-50-8	
Iron	**550**	ug/L	50.0	14.0	1	08/14/09 12:35	08/17/09 21:39	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	08/14/09 12:35	08/17/09 21:39	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	08/14/09 12:35	08/17/09 21:39	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	08/14/09 12:35	08/17/09 21:39	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	08/14/09 12:35	08/17/09 21:39	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	08/14/09 12:35	08/17/09 21:39	7440-28-0	
Vanadium	**1.1J**	ug/L	25.0	0.20	1	08/14/09 12:35	08/17/09 21:39	7440-62-2	
Zinc	**20.3**	ug/L	10.0	0.40	1	08/14/09 12:35	08/17/09 21:39	7440-66-6	Z2
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	08/12/09 09:17	08/12/09 12:45	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/14/09 18:18	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		08/14/09 18:18	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		08/14/09 18:18	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/14/09 18:18	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/14/09 18:18	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/14/09 18:18	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/14/09 18:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/14/09 18:18	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/14/09 18:18	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/14/09 18:18	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/14/09 18:18	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/14/09 18:18	75-00-3	
Chloroform	**0.52J**	ug/L	5.0	0.14	1		08/14/09 18:18	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/14/09 18:18	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/14/09 18:18	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/14/09 18:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/14/09 18:18	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/14/09 18:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/14/09 18:18	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/14/09 18:18	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/14/09 18:18	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/14/09 18:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/14/09 18:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/14/09 18:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/14/09 18:18	156-59-2	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-1 **Lab ID: 9250227006** Collected: 08/06/09 09:00 Received: 08/07/09 14:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/14/09 18:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/14/09 18:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/14/09 18:18	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/14/09 18:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/14/09 18:18	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/14/09 18:18	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/14/09 18:18	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/14/09 18:18	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		08/14/09 18:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/14/09 18:18	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		08/14/09 18:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/14/09 18:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/14/09 18:18	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/14/09 18:18	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/14/09 18:18	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/14/09 18:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/14/09 18:18	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/14/09 18:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/14/09 18:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/14/09 18:18	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/14/09 18:18	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/14/09 18:18	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/14/09 18:18	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/14/09 18:18	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		08/14/09 18:18	95-47-6	
4-Bromofluorobenzene (S)	102	%	87-109		1		08/14/09 18:18	460-00-4	
Dibromofluoromethane (S)	96	%	85-115		1		08/14/09 18:18	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		08/14/09 18:18	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		08/14/09 18:18	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/14/09 17:18		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	mg/L	0.10	0.10	1		08/11/09 14:52		
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	ND	mg/L	2.0	2.0	1	08/08/09 08:43	08/13/09 12:05		B4
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**447**	ug/L	100	100	1		08/07/09 22:55		
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	ND	mg/L	5.0	5.0	1		08/19/09 10:14	16887-00-6	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-1 **Lab ID: 9250227006** Collected: 08/06/09 09:00 Received: 08/07/09 14:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	ND	ug/L	25000	25000	1		08/18/09 16:40		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**1.9**	mg/L	1.0	1.0	1		08/11/09 13:11	7440-44-0	
ASTM D516-90 Sulfate Water	Analytical Method: ASTM D516-90								
Sulfate	**6360**	ug/L	5000	5000	1		08/17/09 14:58	14808-79-8	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-2 **Lab ID: 9250227007** Collected: 08/06/09 14:30 Received: 08/07/09 14:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	08/14/09 12:35	08/17/09 21:43	7440-36-0	
Arsenic	**12.6**	ug/L	10.0	2.7	1	08/14/09 12:35	08/17/09 21:43	7440-38-2	
Barium	**172**	ug/L	100	0.20	1	08/14/09 12:35	08/17/09 21:43	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	08/14/09 12:35	08/17/09 21:43	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	08/14/09 12:35	08/17/09 21:43	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	08/14/09 12:35	08/17/09 21:43	7440-47-3	
Cobalt	**5.0J**	ug/L	10.0	0.60	1	08/14/09 12:35	08/17/09 21:43	7440-48-4	
Copper	**0.45J**	ug/L	10.0	0.30	1	08/14/09 12:35	08/17/09 21:43	7440-50-8	
Iron	**50100**	ug/L	50.0	14.0	1	08/14/09 12:35	08/17/09 21:43	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	08/14/09 12:35	08/17/09 21:43	7439-92-1	
Nickel	**2.5J**	ug/L	50.0	1.7	1	08/14/09 12:35	08/17/09 21:43	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	08/14/09 12:35	08/17/09 21:43	7782-49-2	
Silver	**0.32J**	ug/L	10.0	0.10	1	08/14/09 12:35	08/17/09 21:43	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	08/14/09 12:35	08/17/09 21:43	7440-28-0	
Vanadium	**5.4J**	ug/L	25.0	0.20	1	08/14/09 12:35	08/17/09 21:43	7440-62-2	
Zinc	**21.1**	ug/L	10.0	0.40	1	08/14/09 12:35	08/17/09 21:43	7440-66-6	Z2
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	08/12/09 09:17	08/12/09 12:47	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/14/09 18:37	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		08/14/09 18:37	107-13-1	
Benzene	**1.6**	ug/L	1.0	0.25	1		08/14/09 18:37	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/14/09 18:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/14/09 18:37	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/14/09 18:37	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/14/09 18:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/14/09 18:37	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/14/09 18:37	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/14/09 18:37	56-23-5	
Chlorobenzene	**11.4**	ug/L	3.0	0.23	1		08/14/09 18:37	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/14/09 18:37	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/14/09 18:37	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/14/09 18:37	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/14/09 18:37	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/14/09 18:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/14/09 18:37	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/14/09 18:37	74-95-3	
1,2-Dichlorobenzene	**0.37J**	ug/L	5.0	0.30	1		08/14/09 18:37	95-50-1	
1,4-Dichlorobenzene	**2.7**	ug/L	1.0	0.33	1		08/14/09 18:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/14/09 18:37	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/14/09 18:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/14/09 18:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/14/09 18:37	75-35-4	
cis-1,2-Dichloroethene	**0.20J**	ug/L	5.0	0.19	1		08/14/09 18:37	156-59-2	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-2 **Lab ID: 9250227007** Collected: 08/06/09 14:30 Received: 08/07/09 14:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/14/09 18:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/14/09 18:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/14/09 18:37	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/14/09 18:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/14/09 18:37	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/14/09 18:37	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/14/09 18:37	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/14/09 18:37	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		08/14/09 18:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/14/09 18:37	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		08/14/09 18:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/14/09 18:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/14/09 18:37	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/14/09 18:37	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/14/09 18:37	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/14/09 18:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/14/09 18:37	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/14/09 18:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/14/09 18:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/14/09 18:37	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/14/09 18:37	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/14/09 18:37	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/14/09 18:37	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/14/09 18:37	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		08/14/09 18:37	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109		1		08/14/09 18:37	460-00-4	
Dibromofluoromethane (S)	97	%	85-115		1		08/14/09 18:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	79-120		1		08/14/09 18:37	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		08/14/09 18:37	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**652**	mg/L	5.0	5.0	1		08/14/09 17:15		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	mg/L	0.10	0.10	1		08/11/09 14:52		
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**12.6**	mg/L	2.0	2.0	1	08/08/09 08:43	08/13/09 12:05		B4
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**257**	ug/L	100	100	1		08/07/09 22:55		
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**47.0**	mg/L	10.0	10.0	2		08/19/09 10:56	16887-00-6	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-2 **Lab ID: 9250227007** Collected: 08/06/09 14:30 Received: 08/07/09 14:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**85900**	ug/L	25000	25000	1		08/18/09 16:40		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**44.0**	mg/L	1.0	1.0	1		08/11/09 13:11	7440-44-0	
ASTM D516-90 Sulfate Water	Analytical Method: ASTM D516-90								
Sulfate	**27100**	ug/L	5000	5000	1		08/17/09 15:01	14808-79-8	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-8 **Lab ID: 9250227008** Collected: 08/06/09 14:30 Received: 08/07/09 14:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	08/14/09 12:35	08/17/09 21:47	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	08/14/09 12:35	08/17/09 21:47	7440-38-2	
Barium	**71.0J**	ug/L	100	0.20	1	08/14/09 12:35	08/17/09 21:47	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	08/14/09 12:35	08/17/09 21:47	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	08/14/09 12:35	08/17/09 21:47	7440-43-9	
Chromium	**2.0J**	ug/L	10.0	0.40	1	08/14/09 12:35	08/17/09 21:47	7440-47-3	
Cobalt	**1.7J**	ug/L	10.0	0.60	1	08/14/09 12:35	08/17/09 21:47	7440-48-4	
Copper	**0.52J**	ug/L	10.0	0.30	1	08/14/09 12:35	08/17/09 21:47	7440-50-8	
Iron	**9680**	ug/L	50.0	14.0	1	08/14/09 12:35	08/17/09 21:47	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	08/14/09 12:35	08/17/09 21:47	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	08/14/09 12:35	08/17/09 21:47	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	08/14/09 12:35	08/17/09 21:47	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	08/14/09 12:35	08/17/09 21:47	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	08/14/09 12:35	08/17/09 21:47	7440-28-0	
Vanadium	**2.9J**	ug/L	25.0	0.20	1	08/14/09 12:35	08/17/09 21:47	7440-62-2	
Zinc	**11.7**	ug/L	10.0	0.40	1	08/14/09 12:35	08/17/09 21:47	7440-66-6	Z2
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	08/12/09 09:17	08/12/09 12:50	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/14/09 18:56	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		08/14/09 18:56	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		08/14/09 18:56	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/14/09 18:56	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/14/09 18:56	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/14/09 18:56	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/14/09 18:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/14/09 18:56	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/14/09 18:56	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/14/09 18:56	56-23-5	
Chlorobenzene	**0.94J**	ug/L	3.0	0.23	1		08/14/09 18:56	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/14/09 18:56	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/14/09 18:56	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/14/09 18:56	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/14/09 18:56	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/14/09 18:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/14/09 18:56	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/14/09 18:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/14/09 18:56	95-50-1	
1,4-Dichlorobenzene	**3.6**	ug/L	1.0	0.33	1		08/14/09 18:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/14/09 18:56	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/14/09 18:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/14/09 18:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/14/09 18:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/14/09 18:56	156-59-2	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-8 **Lab ID: 9250227008** Collected: 08/06/09 14:30 Received: 08/07/09 14:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/14/09 18:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/14/09 18:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/14/09 18:56	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/14/09 18:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/14/09 18:56	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/14/09 18:56	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/14/09 18:56	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/14/09 18:56	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		08/14/09 18:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/14/09 18:56	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		08/14/09 18:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/14/09 18:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/14/09 18:56	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/14/09 18:56	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/14/09 18:56	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/14/09 18:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/14/09 18:56	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/14/09 18:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/14/09 18:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/14/09 18:56	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/14/09 18:56	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/14/09 18:56	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/14/09 18:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/14/09 18:56	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		08/14/09 18:56	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		08/14/09 18:56	460-00-4	
Dibromofluoromethane (S)	96	%	85-115		1		08/14/09 18:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120		1		08/14/09 18:56	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		08/14/09 18:56	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/14/09 17:15		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	mg/L	0.10	0.10	1		08/11/09 14:52		
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	ND	mg/L	2.0	2.0	1	08/08/09 08:43	08/13/09 12:05		B4
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**204**	ug/L	100	100	1		08/07/09 22:55		
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**14.7**	mg/L	5.0	5.0	1		08/19/09 10:14	16887-00-6	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: MW-8 **Lab ID: 9250227008** Collected: 08/06/09 14:30 Received: 08/07/09 14:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	ND	ug/L	25000	25000	1		08/18/09 16:40		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**5.4**	mg/L	1.0	1.0	1		08/11/09 13:11	7440-44-0	
ASTM D516-90 Sulfate Water	Analytical Method: ASTM D516-90								
Sulfate	ND	ug/L	5000	5000	1		08/17/09 15:01	14808-79-8	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: SW-1 **Lab ID: 9250227009** Collected: 08/06/09 00:00 Received: 08/07/09 14:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	08/14/09 12:35	08/17/09 21:51	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	08/14/09 12:35	08/17/09 21:51	7440-38-2	
Barium	**23.2J**	ug/L	100	0.20	1	08/14/09 12:35	08/17/09 21:51	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	08/14/09 12:35	08/17/09 21:51	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	08/14/09 12:35	08/17/09 21:51	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	08/14/09 12:35	08/17/09 21:51	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	08/14/09 12:35	08/17/09 21:51	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	08/14/09 12:35	08/17/09 21:51	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	08/14/09 12:35	08/17/09 21:51	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	08/14/09 12:35	08/17/09 21:51	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	08/14/09 12:35	08/17/09 21:51	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	08/14/09 12:35	08/17/09 21:51	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	08/14/09 12:35	08/17/09 21:51	7440-28-0	
Vanadium	**0.88J**	ug/L	25.0	0.20	1	08/14/09 12:35	08/17/09 21:51	7440-62-2	
Zinc	**11.2**	ug/L	10.0	0.40	1	08/14/09 12:35	08/17/09 21:51	7440-66-6	Z2
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**3.3J**	ug/L	100	2.2	1		08/14/09 19:16	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		08/14/09 19:16	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		08/14/09 19:16	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/14/09 19:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/14/09 19:16	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/14/09 19:16	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/14/09 19:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/14/09 19:16	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/14/09 19:16	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/14/09 19:16	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/14/09 19:16	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/14/09 19:16	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/14/09 19:16	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/14/09 19:16	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/14/09 19:16	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/14/09 19:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/14/09 19:16	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/14/09 19:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/14/09 19:16	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/14/09 19:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/14/09 19:16	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/14/09 19:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/14/09 19:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/14/09 19:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/14/09 19:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/14/09 19:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/14/09 19:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/14/09 19:16	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/14/09 19:16	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Sample: SW-1 **Lab ID: 9250227009** Collected: 08/06/09 00:00 Received: 08/07/09 14:37 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/14/09 19:16	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/14/09 19:16	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/14/09 19:16	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/14/09 19:16	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		08/14/09 19:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/14/09 19:16	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		08/14/09 19:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/14/09 19:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/14/09 19:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/14/09 19:16	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/14/09 19:16	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/14/09 19:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/14/09 19:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/14/09 19:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/14/09 19:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/14/09 19:16	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/14/09 19:16	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/14/09 19:16	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/14/09 19:16	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		08/14/09 19:16	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		08/14/09 19:16	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109		1		08/14/09 19:16	460-00-4	
Dibromofluoromethane (S)	97	%	85-115		1		08/14/09 19:16	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	79-120		1		08/14/09 19:16	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		08/14/09 19:16	2037-26-5	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: WET/9390 — Analysis Method: SM 2320B
QC Batch Method: SM 2320B — Analysis Description: 2320B Alkalinity
Associated Lab Samples: 9250227006, 9250227007, 9250227008

METHOD BLANK: 322336 — Matrix: Water
Associated Lab Samples: 9250227006, 9250227007, 9250227008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	08/14/09 16:24	

LABORATORY CONTROL SAMPLE: 322337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.6	103	90-110	

SAMPLE DUPLICATE: 322338

Parameter	Units	9250449001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	23.9	23.9	0	20	

SAMPLE DUPLICATE: 322340

Parameter	Units	9250847004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	2110	2120	1	20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: WETA/5625 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 9250227006, 9250227007, 9250227008

METHOD BLANK: 319786 | Matrix: Water
Associated Lab Samples: 9250227006, 9250227007, 9250227008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	ug/L	ND	100	08/07/09 22:55	

LABORATORY CONTROL SAMPLE: 319787

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	ug/L	5000	5220	104	90-110	

MATRIX SPIKE SAMPLE: 319788

Parameter	Units	9250438002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	ug/L	0.19 mg/L	5000	6270	121	90-110	M0

SAMPLE DUPLICATE: 319789

Parameter	Units	9250438001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: WETA/5631 Analysis Method: SM 5310B
QC Batch Method: SM 5310B Analysis Description: 5310B TOC
Associated Lab Samples: 9250227006, 9250227007, 9250227008

METHOD BLANK: 319962 Matrix: Water
Associated Lab Samples: 9250227006, 9250227007, 9250227008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	08/11/09 13:11	

LABORATORY CONTROL SAMPLE: 319963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	25	26.2	105	90-110	

MATRIX SPIKE SAMPLE: 319964

Parameter	Units	9250369001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.4	25	28.5	104	75-125	

SAMPLE DUPLICATE: 319965

Parameter	Units	9250368001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	6.0	5.9	1	20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: WETA/5690 — Analysis Method: SM 5220D
QC Batch Method: SM 5220D — Analysis Description: 5220D COD
Associated Lab Samples: 9250227006, 9250227007, 9250227008

METHOD BLANK: 323765 — Matrix: Water
Associated Lab Samples: 9250227006, 9250227007, 9250227008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	ug/L	ND	25000	08/18/09 16:40	

LABORATORY CONTROL SAMPLE: 323766

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	ug/L	750000	679000	90	90-110	

MATRIX SPIKE SAMPLE: 323767

Parameter	Units	9250227006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	ug/L	ND	750000	742000	97	75-125	

MATRIX SPIKE SAMPLE: 323768

Parameter	Units	9250227007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	ug/L	85900	750000	800000	95	75-125	

SAMPLE DUPLICATE: 323769

Parameter	Units	9250227008 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	ug/L	ND	ND		20	

SAMPLE DUPLICATE: 323770

Parameter	Units	9250434001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	ug/L	513 mg/L	531000	3	20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: WETA/5683 Analysis Method: ASTM D516-90
QC Batch Method: ASTM D516-90 Analysis Description: ASTM D516-90 Sulfate Water
Associated Lab Samples: 9250227006, 9250227007, 9250227008

METHOD BLANK: 323126 Matrix: Water
Associated Lab Samples: 9250227006, 9250227007, 9250227008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	ug/L	ND	5000	08/17/09 14:56	

LABORATORY CONTROL SAMPLE: 323127

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	20000	19400	97	90-110	

MATRIX SPIKE SAMPLE: 323128

Parameter	Units	9250788003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	48.7 mg/L	20000	84400	178	75-125	M0

MATRIX SPIKE SAMPLE: 323133

Parameter	Units	9251000001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	20.8 mg/L	20000	31200	52	75-125	M0

SAMPLE DUPLICATE: 323132

Parameter	Units	9250847008 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	ug/L	21.7 mg/L	29800	32	20	R1

SAMPLE DUPLICATE: 323134

Parameter	Units	9251000002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	ug/L	38.8 mg/L	37700	3	20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: MSV/7926
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9250227001

METHOD BLANK: 320081
Matrix: Water
Associated Lab Samples: 9250227001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/11/09 10:59	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/11/09 10:59	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	08/11/09 10:59	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/11/09 10:59	
1,1-Dichloroethane	ug/L	ND	5.0	08/11/09 10:59	
1,1-Dichloroethene	ug/L	ND	5.0	08/11/09 10:59	
1,2,3-Trichloropropane	ug/L	ND	1.0	08/11/09 10:59	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	08/11/09 10:59	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/11/09 10:59	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/11/09 10:59	
1,2-Dichloroethane	ug/L	ND	1.0	08/11/09 10:59	
1,2-Dichloropropane	ug/L	ND	1.0	08/11/09 10:59	
1,3-Dichloropropane	ug/L	ND	1.0	08/11/09 10:59	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/11/09 10:59	
2-Butanone (MEK)	ug/L	ND	100	08/11/09 10:59	
2-Hexanone	ug/L	ND	50.0	08/11/09 10:59	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	08/11/09 10:59	
Acetone	ug/L	ND	100	08/11/09 10:59	
Acrylonitrile	ug/L	ND	200	08/11/09 10:59	
Benzene	ug/L	ND	1.0	08/11/09 10:59	
Bromochloromethane	ug/L	ND	3.0	08/11/09 10:59	
Bromodichloromethane	ug/L	ND	1.0	08/11/09 10:59	
Bromoform	ug/L	ND	3.0	08/11/09 10:59	
Bromomethane	ug/L	ND	10.0	08/11/09 10:59	
Carbon disulfide	ug/L	ND	100	08/11/09 10:59	
Carbon tetrachloride	ug/L	ND	1.0	08/11/09 10:59	
Chlorobenzene	ug/L	ND	3.0	08/11/09 10:59	
Chloroethane	ug/L	ND	10.0	08/11/09 10:59	
Chloroform	ug/L	ND	5.0	08/11/09 10:59	
Chloromethane	ug/L	ND	1.0	08/11/09 10:59	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/11/09 10:59	
cis-1,3-Dichloropropene	ug/L	ND	1.0	08/11/09 10:59	
Dibromochloromethane	ug/L	ND	3.0	08/11/09 10:59	
Dibromomethane	ug/L	ND	10.0	08/11/09 10:59	
Ethylbenzene	ug/L	ND	1.0	08/11/09 10:59	
Iodomethane	ug/L	ND	10.0	08/11/09 10:59	
m&p-Xylene	ug/L	ND	2.0	08/11/09 10:59	
Methylene Chloride	ug/L	1.5J	2.0	08/11/09 10:59	
o-Xylene	ug/L	ND	1.0	08/11/09 10:59	
Styrene	ug/L	ND	1.0	08/11/09 10:59	
Tetrachloroethene	ug/L	ND	1.0	08/11/09 10:59	
Toluene	ug/L	ND	1.0	08/11/09 10:59	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/11/09 10:59	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

METHOD BLANK: 320081 Matrix: Water

Associated Lab Samples: 9250227001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	08/11/09 10:59	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/11/09 10:59	
Trichloroethene	ug/L	ND	1.0	08/11/09 10:59	
Trichlorofluoromethane	ug/L	ND	1.0	08/11/09 10:59	
Vinyl acetate	ug/L	ND	50.0	08/11/09 10:59	
Vinyl chloride	ug/L	ND	1.0	08/11/09 10:59	
Xylene (Total)	ug/L	ND	5.0	08/11/09 10:59	
1,2-Dichloroethane-d4 (S)	%	97	79-120	08/11/09 10:59	
4-Bromofluorobenzene (S)	%	96	87-109	08/11/09 10:59	
Dibromofluoromethane (S)	%	99	85-115	08/11/09 10:59	
Toluene-d8 (S)	%	102	70-120	08/11/09 10:59	

LABORATORY CONTROL SAMPLE: 320082

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.6	111	83-125	
1,1,1-Trichloroethane	ug/L	50	54.8	110	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	62.2	124	73-127	
1,1,2-Trichloroethane	ug/L	50	53.3	107	77-123	
1,1-Dichloroethane	ug/L	50	52.8	106	76-129	
1,1-Dichloroethene	ug/L	50	57.9	116	78-146	
1,2,3-Trichloropropane	ug/L	50	55.4	111	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	53.4	107	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	56.6	113	81-125	
1,2-Dichlorobenzene	ug/L	50	52.9	106	82-126	
1,2-Dichloroethane	ug/L	50	51.3	103	72-126	
1,2-Dichloropropane	ug/L	50	57.5	115	80-127	
1,3-Dichloropropane	ug/L	50	55.3	111	79-124	
1,4-Dichlorobenzene	ug/L	50	51.8	104	79-125	
2-Butanone (MEK)	ug/L	100	101	101	50-134	
2-Hexanone	ug/L	100	111	111	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	108	108	70-131	
Acetone	ug/L	100	92.3J	92	50-146	
Acrylonitrile	ug/L	250	300	120	66-124	
Benzene	ug/L	50	54.0	108	78-128	
Bromochloromethane	ug/L	50	48.4	97	73-124	
Bromodichloromethane	ug/L	50	45.4	91	81-125	
Bromoform	ug/L	50	47.5	95	71-125	
Bromomethane	ug/L	50	45.4	91	50-150	
Carbon disulfide	ug/L	50	57.9J	116	54-150	
Carbon tetrachloride	ug/L	50	52.0	104	81-137	
Chlorobenzene	ug/L	50	52.6	105	82-126	
Chloroethane	ug/L	50	45.1	90	69-140	
Chloroform	ug/L	50	51.9	104	77-129	
Chloromethane	ug/L	50	53.2	106	54-139	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

LABORATORY CONTROL SAMPLE: 320082

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	55.5	111	76-133	
cis-1,3-Dichloropropene	ug/L	50	51.5	103	76-127	
Dibromochloromethane	ug/L	50	47.4	95	77-125	
Dibromomethane	ug/L	50	55.4	111	77-125	
Ethylbenzene	ug/L	50	55.0	110	80-127	
Iodomethane	ug/L	100	117	117	65-172	
m&p-Xylene	ug/L	100	96.4	96	82-127	
Methylene Chloride	ug/L	50	52.8	106	67-133	
o-Xylene	ug/L	50	57.8	116	83-124	
Styrene	ug/L	50	50.0	100	80-130	
Tetrachloroethene	ug/L	50	56.5	113	78-128	
Toluene	ug/L	50	52.1	104	76-126	
trans-1,2-Dichloroethene	ug/L	50	53.4	107	78-134	
trans-1,3-Dichloropropene	ug/L	50	50.1	100	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	50.9J	102	51-140	
Trichloroethene	ug/L	50	52.8	106	79-127	
Trichlorofluoromethane	ug/L	50	57.5	115	76-148	
Vinyl acetate	ug/L	100	106	106	50-150	
Vinyl chloride	ug/L	50	44.3	89	67-143	
Xylene (Total)	ug/L	150	154	103	83-125	
1,2-Dichloroethane-d4 (S)	%			92	79-120	
4-Bromofluorobenzene (S)	%			104	87-109	
Dibromofluoromethane (S)	%			100	85-115	
Toluene-d8 (S)	%			99	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 320083 320084

Parameter	Units	9250227001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	73.4	74.1	147	148	60-150	1	30	
Benzene	ug/L	0.30J	50	50	62.6	62.4	125	124	74-136	0	30	
Chlorobenzene	ug/L	ND	50	50	58.9	58.5	118	117	79-135	1	30	
Toluene	ug/L	0.60J	50	50	59.9	59.3	119	117	73-131	1	30	
Trichloroethene	ug/L	ND	50	50	59.5	58.9	119	118	73-131	1	30	
1,2-Dichloroethane-d4 (S)	%						96	97	79-120			
4-Bromofluorobenzene (S)	%						94	94	87-109			
Dibromofluoromethane (S)	%						99	99	85-115			
Toluene-d8 (S)	%						100	99	70-120			

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: MSV/7962 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9250227006, 9250227007, 9250227008, 9250227009

METHOD BLANK: 321964 Matrix: Water
Associated Lab Samples: 9250227006, 9250227007, 9250227008, 9250227009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/14/09 13:02	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/14/09 13:02	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	08/14/09 13:02	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/14/09 13:02	
1,1-Dichloroethane	ug/L	ND	5.0	08/14/09 13:02	
1,1-Dichloroethene	ug/L	ND	5.0	08/14/09 13:02	
1,2,3-Trichloropropane	ug/L	ND	1.0	08/14/09 13:02	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	08/14/09 13:02	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/14/09 13:02	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/14/09 13:02	
1,2-Dichloroethane	ug/L	ND	1.0	08/14/09 13:02	
1,2-Dichloropropane	ug/L	ND	1.0	08/14/09 13:02	
1,3-Dichloropropane	ug/L	ND	1.0	08/14/09 13:02	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/14/09 13:02	
2-Butanone (MEK)	ug/L	ND	100	08/14/09 13:02	
2-Hexanone	ug/L	ND	50.0	08/14/09 13:02	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	08/14/09 13:02	
Acetone	ug/L	ND	100	08/14/09 13:02	
Acrylonitrile	ug/L	ND	200	08/14/09 13:02	
Benzene	ug/L	ND	1.0	08/14/09 13:02	
Bromochloromethane	ug/L	ND	3.0	08/14/09 13:02	
Bromodichloromethane	ug/L	ND	1.0	08/14/09 13:02	
Bromoform	ug/L	ND	3.0	08/14/09 13:02	
Bromomethane	ug/L	ND	10.0	08/14/09 13:02	
Carbon disulfide	ug/L	ND	100	08/14/09 13:02	
Carbon tetrachloride	ug/L	ND	1.0	08/14/09 13:02	
Chlorobenzene	ug/L	ND	3.0	08/14/09 13:02	
Chloroethane	ug/L	ND	10.0	08/14/09 13:02	
Chloroform	ug/L	ND	5.0	08/14/09 13:02	
Chloromethane	ug/L	ND	1.0	08/14/09 13:02	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/14/09 13:02	
cis-1,3-Dichloropropene	ug/L	ND	1.0	08/14/09 13:02	
Dibromochloromethane	ug/L	ND	3.0	08/14/09 13:02	
Dibromomethane	ug/L	ND	10.0	08/14/09 13:02	
Ethylbenzene	ug/L	ND	1.0	08/14/09 13:02	
Iodomethane	ug/L	ND	10.0	08/14/09 13:02	
m&p-Xylene	ug/L	ND	2.0	08/14/09 13:02	
Methylene Chloride	ug/L	ND	2.0	08/14/09 13:02	
o-Xylene	ug/L	ND	1.0	08/14/09 13:02	
Styrene	ug/L	ND	1.0	08/14/09 13:02	
Tetrachloroethene	ug/L	ND	1.0	08/14/09 13:02	
Toluene	ug/L	ND	1.0	08/14/09 13:02	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/14/09 13:02	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

METHOD BLANK: 321964 Matrix: Water

Associated Lab Samples: 9250227006, 9250227007, 9250227008, 9250227009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	08/14/09 13:02	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/14/09 13:02	
Trichloroethene	ug/L	ND	1.0	08/14/09 13:02	
Trichlorofluoromethane	ug/L	ND	1.0	08/14/09 13:02	
Vinyl acetate	ug/L	ND	50.0	08/14/09 13:02	
Vinyl chloride	ug/L	ND	1.0	08/14/09 13:02	
Xylene (Total)	ug/L	ND	5.0	08/14/09 13:02	
1,2-Dichloroethane-d4 (S)	%	98	79-120	08/14/09 13:02	
4-Bromofluorobenzene (S)	%	101	87-109	08/14/09 13:02	
Dibromofluoromethane (S)	%	91	85-115	08/14/09 13:02	
Toluene-d8 (S)	%	98	70-120	08/14/09 13:02	

LABORATORY CONTROL SAMPLE: 321965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.8	110	83-125	
1,1,1-Trichloroethane	ug/L	50	51.1	102	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	53.7	107	73-127	
1,1,2-Trichloroethane	ug/L	50	54.0	108	77-123	
1,1-Dichloroethane	ug/L	50	49.5	99	76-129	
1,1-Dichloroethene	ug/L	50	52.5	105	78-146	
1,2,3-Trichloropropane	ug/L	50	52.6	105	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	52.6	105	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	55.3	111	81-125	
1,2-Dichlorobenzene	ug/L	50	51.6	103	82-126	
1,2-Dichloroethane	ug/L	50	51.5	103	72-126	
1,2-Dichloropropane	ug/L	50	53.6	107	80-127	
1,3-Dichloropropane	ug/L	50	53.6	107	79-124	
1,4-Dichlorobenzene	ug/L	50	50.1	100	79-125	
2-Butanone (MEK)	ug/L	100	99.1J	99	50-134	
2-Hexanone	ug/L	100	104	104	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	70-131	
Acetone	ug/L	100	107	107	50-146	
Acrylonitrile	ug/L	250	256	103	66-124	
Benzene	ug/L	50	49.8	100	78-128	
Bromochloromethane	ug/L	50	54.1	108	73-124	
Bromodichloromethane	ug/L	50	50.2	100	81-125	
Bromoform	ug/L	50	46.8	94	71-125	
Bromomethane	ug/L	50	59.4	119	50-150	
Carbon disulfide	ug/L	50	54.7J	109	54-150	
Carbon tetrachloride	ug/L	50	50.1	100	81-137	
Chlorobenzene	ug/L	50	50.7	101	82-126	
Chloroethane	ug/L	50	47.1	94	69-140	
Chloroform	ug/L	50	49.5	99	77-129	
Chloromethane	ug/L	50	40.0	80	54-139	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

LABORATORY CONTROL SAMPLE: 321965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	51.6	103	76-133	
cis-1,3-Dichloropropene	ug/L	50	55.2	110	76-127	
Dibromochloromethane	ug/L	50	52.7	105	77-125	
Dibromomethane	ug/L	50	53.2	106	77-125	
Ethylbenzene	ug/L	50	51.9	104	80-127	
Iodomethane	ug/L	100	129	129	65-172	
m&p-Xylene	ug/L	100	107	107	82-127	
Methylene Chloride	ug/L	50	48.8	98	67-133	
o-Xylene	ug/L	50	55.3	111	83-124	
Styrene	ug/L	50	48.9	98	80-130	
Tetrachloroethene	ug/L	50	49.4	99	78-128	
Toluene	ug/L	50	49.0	98	76-126	
trans-1,2-Dichloroethene	ug/L	50	48.7	97	78-134	
trans-1,3-Dichloropropene	ug/L	50	50.1	100	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	49.7J	99	51-140	
Trichloroethene	ug/L	50	52.6	105	79-127	
Trichlorofluoromethane	ug/L	50	49.4	99	76-148	
Vinyl acetate	ug/L	100	68.1	68	50-150	
Vinyl chloride	ug/L	50	50.0	100	67-143	
Xylene (Total)	ug/L	150	163	108	83-125	
1,2-Dichloroethane-d4 (S)	%			95	79-120	
4-Bromofluorobenzene (S)	%			103	87-109	
Dibromofluoromethane (S)	%			98	85-115	
Toluene-d8 (S)	%			98	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 321966 321967

Parameter	Units	9250227006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	62.4	53.8	125	108	60-150	15	30	
Benzene	ug/L	ND	50	50	60.8	52.8	122	106	74-136	14	30	
Chlorobenzene	ug/L	ND	50	50	59.2	51.9	118	104	79-135	13	30	
Toluene	ug/L	ND	50	50	60.0	51.5	120	103	73-131	15	30	
Trichloroethene	ug/L	ND	50	50	62.5	54.3	125	109	73-131	14	30	
1,2-Dichloroethane-d4 (S)	%						100	101	79-120			
4-Bromofluorobenzene (S)	%						103	103	87-109			
Dibromofluoromethane (S)	%						98	98	85-115			
Toluene-d8 (S)	%						99	99	70-120			

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: WET/9330 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 9250227006, 9250227007, 9250227008

METHOD BLANK: 319794 Matrix: Water
Associated Lab Samples: 9250227006, 9250227007, 9250227008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	ND	2.0	08/13/09 12:05	

LABORATORY CONTROL SAMPLE: 319795

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	140	71	84-115	B4

SAMPLE DUPLICATE: 319796

Parameter	Units	9250227006 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	ND	ND		20	B4

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: MSV/7925 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9250227004, 9250227005

METHOD BLANK: 320077 | Matrix: Water
Associated Lab Samples: 9250227004, 9250227005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/10/09 22:38	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/10/09 22:38	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	08/10/09 22:38	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/10/09 22:38	
1,1-Dichloroethane	ug/L	ND	5.0	08/10/09 22:38	
1,1-Dichloroethene	ug/L	ND	5.0	08/10/09 22:38	
1,2,3-Trichloropropane	ug/L	ND	1.0	08/10/09 22:38	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	08/10/09 22:38	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/10/09 22:38	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/10/09 22:38	
1,2-Dichloroethane	ug/L	ND	1.0	08/10/09 22:38	
1,2-Dichloropropane	ug/L	ND	1.0	08/10/09 22:38	
1,3-Dichloropropane	ug/L	ND	1.0	08/10/09 22:38	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/10/09 22:38	
2-Butanone (MEK)	ug/L	ND	100	08/10/09 22:38	
2-Hexanone	ug/L	ND	50.0	08/10/09 22:38	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	08/10/09 22:38	
Acetone	ug/L	ND	100	08/10/09 22:38	
Acrylonitrile	ug/L	ND	200	08/10/09 22:38	
Benzene	ug/L	ND	1.0	08/10/09 22:38	
Bromochloromethane	ug/L	ND	3.0	08/10/09 22:38	
Bromodichloromethane	ug/L	ND	1.0	08/10/09 22:38	
Bromoform	ug/L	ND	3.0	08/10/09 22:38	
Bromomethane	ug/L	ND	10.0	08/10/09 22:38	
Carbon disulfide	ug/L	ND	100	08/10/09 22:38	
Carbon tetrachloride	ug/L	ND	1.0	08/10/09 22:38	
Chlorobenzene	ug/L	ND	3.0	08/10/09 22:38	
Chloroethane	ug/L	ND	10.0	08/10/09 22:38	
Chloroform	ug/L	ND	5.0	08/10/09 22:38	
Chloromethane	ug/L	ND	1.0	08/10/09 22:38	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/10/09 22:38	
cis-1,3-Dichloropropene	ug/L	ND	1.0	08/10/09 22:38	
Dibromochloromethane	ug/L	ND	3.0	08/10/09 22:38	
Dibromomethane	ug/L	ND	10.0	08/10/09 22:38	
Ethylbenzene	ug/L	ND	1.0	08/10/09 22:38	
Iodomethane	ug/L	ND	10.0	08/10/09 22:38	
m&p-Xylene	ug/L	ND	2.0	08/10/09 22:38	
Methylene Chloride	ug/L	ND	2.0	08/10/09 22:38	
o-Xylene	ug/L	ND	1.0	08/10/09 22:38	
Styrene	ug/L	ND	1.0	08/10/09 22:38	
Tetrachloroethene	ug/L	ND	1.0	08/10/09 22:38	
Toluene	ug/L	ND	1.0	08/10/09 22:38	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/10/09 22:38	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

METHOD BLANK: 320077 Matrix: Water

Associated Lab Samples: 9250227004, 9250227005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	08/10/09 22:38	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/10/09 22:38	
Trichloroethene	ug/L	ND	1.0	08/10/09 22:38	
Trichlorofluoromethane	ug/L	ND	1.0	08/10/09 22:38	
Vinyl acetate	ug/L	ND	50.0	08/10/09 22:38	
Vinyl chloride	ug/L	ND	1.0	08/10/09 22:38	
Xylene (Total)	ug/L	ND	5.0	08/10/09 22:38	
1,2-Dichloroethane-d4 (S)	%	96	79-120	08/10/09 22:38	
4-Bromofluorobenzene (S)	%	96	87-109	08/10/09 22:38	
Dibromofluoromethane (S)	%	101	85-115	08/10/09 22:38	
Toluene-d8 (S)	%	105	70-120	08/10/09 22:38	

LABORATORY CONTROL SAMPLE: 320078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.4	109	83-125	
1,1,1-Trichloroethane	ug/L	50	53.0	106	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	54.0	108	73-127	
1,1,2-Trichloroethane	ug/L	50	55.4	111	77-123	
1,1-Dichloroethane	ug/L	50	52.8	106	76-129	
1,1-Dichloroethene	ug/L	50	59.4	119	78-146	
1,2,3-Trichloropropane	ug/L	50	49.5	99	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	53.7	107	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	55.9	112	81-125	
1,2-Dichlorobenzene	ug/L	50	52.3	105	82-126	
1,2-Dichloroethane	ug/L	50	51.9	104	72-126	
1,2-Dichloropropane	ug/L	50	57.0	114	80-127	
1,3-Dichloropropane	ug/L	50	54.7	109	79-124	
1,4-Dichlorobenzene	ug/L	50	50.3	101	79-125	
2-Butanone (MEK)	ug/L	100	104	104	50-134	
2-Hexanone	ug/L	100	112	112	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	114	114	70-131	
Acetone	ug/L	100	104	104	50-146	
Acrylonitrile	ug/L	250	304	122	66-124	
Benzene	ug/L	50	52.6	105	78-128	
Bromochloromethane	ug/L	50	46.2	92	73-124	
Bromodichloromethane	ug/L	50	45.9	92	81-125	
Bromoform	ug/L	50	44.8	90	71-125	
Bromomethane	ug/L	50	43.5	87	50-150	
Carbon disulfide	ug/L	50	57.9J	116	54-150	
Carbon tetrachloride	ug/L	50	48.5	97	81-137	
Chlorobenzene	ug/L	50	50.7	101	82-126	
Chloroethane	ug/L	50	48.6	97	69-140	
Chloroform	ug/L	50	51.7	103	77-129	
Chloromethane	ug/L	50	49.7	99	54-139	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

LABORATORY CONTROL SAMPLE: 320078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	54.9	110	76-133	
cis-1,3-Dichloropropene	ug/L	50	51.1	102	76-127	
Dibromochloromethane	ug/L	50	46.4	93	77-125	
Dibromomethane	ug/L	50	55.1	110	77-125	
Ethylbenzene	ug/L	50	51.8	104	80-127	
Iodomethane	ug/L	100	117	117	65-172	
m&p-Xylene	ug/L	100	92.4	92	82-127	
Methylene Chloride	ug/L	50	53.7	107	67-133	
o-Xylene	ug/L	50	54.7	109	83-124	
Styrene	ug/L	50	47.2	94	80-130	
Tetrachloroethene	ug/L	50	52.7	105	78-128	
Toluene	ug/L	50	52.4	105	76-126	
trans-1,2-Dichloroethene	ug/L	50	52.6	105	78-134	
trans-1,3-Dichloropropene	ug/L	50	51.5	103	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	47.2J	94	51-140	
Trichloroethene	ug/L	50	54.1	108	79-127	
Trichlorofluoromethane	ug/L	50	51.9	104	76-148	
Vinyl acetate	ug/L	100	68.1	68	50-150	
Vinyl chloride	ug/L	50	43.9	88	67-143	
Xylene (Total)	ug/L	150	147	98	83-125	
1,2-Dichloroethane-d4 (S)	%			95	79-120	
4-Bromofluorobenzene (S)	%			99	87-109	
Dibromofluoromethane (S)	%			100	85-115	
Toluene-d8 (S)	%			104	70-120	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: MSV/7933 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9250227002, 9250227003

METHOD BLANK: 320356 | Matrix: Water
Associated Lab Samples: 9250227002, 9250227003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/12/09 21:10	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/12/09 21:10	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	08/12/09 21:10	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/12/09 21:10	
1,1-Dichloroethane	ug/L	ND	5.0	08/12/09 21:10	
1,1-Dichloroethene	ug/L	ND	5.0	08/12/09 21:10	
1,2,3-Trichloropropane	ug/L	ND	1.0	08/12/09 21:10	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	08/12/09 21:10	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/12/09 21:10	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/12/09 21:10	
1,2-Dichloroethane	ug/L	ND	1.0	08/12/09 21:10	
1,2-Dichloropropane	ug/L	ND	1.0	08/12/09 21:10	
1,3-Dichloropropane	ug/L	ND	1.0	08/12/09 21:10	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/12/09 21:10	
2-Butanone (MEK)	ug/L	ND	100	08/12/09 21:10	
2-Hexanone	ug/L	ND	50.0	08/12/09 21:10	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	08/12/09 21:10	
Acetone	ug/L	ND	100	08/12/09 21:10	
Acrylonitrile	ug/L	ND	200	08/12/09 21:10	
Benzene	ug/L	ND	1.0	08/12/09 21:10	
Bromochloromethane	ug/L	ND	3.0	08/12/09 21:10	
Bromodichloromethane	ug/L	ND	1.0	08/12/09 21:10	
Bromoform	ug/L	ND	3.0	08/12/09 21:10	
Bromomethane	ug/L	ND	10.0	08/12/09 21:10	
Carbon disulfide	ug/L	ND	100	08/12/09 21:10	
Carbon tetrachloride	ug/L	ND	1.0	08/12/09 21:10	
Chlorobenzene	ug/L	ND	3.0	08/12/09 21:10	
Chloroethane	ug/L	ND	10.0	08/12/09 21:10	
Chloroform	ug/L	ND	5.0	08/12/09 21:10	
Chloromethane	ug/L	ND	1.0	08/12/09 21:10	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/12/09 21:10	
cis-1,3-Dichloropropene	ug/L	ND	1.0	08/12/09 21:10	
Dibromochloromethane	ug/L	ND	3.0	08/12/09 21:10	
Dibromomethane	ug/L	ND	10.0	08/12/09 21:10	
Ethylbenzene	ug/L	ND	1.0	08/12/09 21:10	
Iodomethane	ug/L	ND	10.0	08/12/09 21:10	
m&p-Xylene	ug/L	ND	2.0	08/12/09 21:10	
Methylene Chloride	ug/L	ND	2.0	08/12/09 21:10	
o-Xylene	ug/L	ND	1.0	08/12/09 21:10	
Styrene	ug/L	ND	1.0	08/12/09 21:10	
Tetrachloroethene	ug/L	ND	1.0	08/12/09 21:10	
Toluene	ug/L	ND	1.0	08/12/09 21:10	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/12/09 21:10	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

METHOD BLANK: 320356 Matrix: Water

Associated Lab Samples: 9250227002, 9250227003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	08/12/09 21:10	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/12/09 21:10	
Trichloroethene	ug/L	ND	1.0	08/12/09 21:10	
Trichlorofluoromethane	ug/L	ND	1.0	08/12/09 21:10	
Vinyl acetate	ug/L	ND	50.0	08/12/09 21:10	
Vinyl chloride	ug/L	ND	1.0	08/12/09 21:10	
Xylene (Total)	ug/L	ND	5.0	08/12/09 21:10	
1,2-Dichloroethane-d4 (S)	%	98	79-120	08/12/09 21:10	
4-Bromofluorobenzene (S)	%	100	87-109	08/12/09 21:10	
Dibromofluoromethane (S)	%	100	85-115	08/12/09 21:10	
Toluene-d8 (S)	%	100	70-120	08/12/09 21:10	

LABORATORY CONTROL SAMPLE: 320357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.9	110	83-125	
1,1,1-Trichloroethane	ug/L	50	55.5	111	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	61.6	123	73-127	
1,1,2-Trichloroethane	ug/L	50	53.0	106	77-123	
1,1-Dichloroethane	ug/L	50	53.9	108	76-129	
1,1-Dichloroethene	ug/L	50	63.8	128	78-146	
1,2,3-Trichloropropane	ug/L	50	53.6	107	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	53.5	107	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	56.0	112	81-125	
1,2-Dichlorobenzene	ug/L	50	52.0	104	82-126	
1,2-Dichloroethane	ug/L	50	51.9	104	72-126	
1,2-Dichloropropane	ug/L	50	57.0	114	80-127	
1,3-Dichloropropane	ug/L	50	54.4	109	79-124	
1,4-Dichlorobenzene	ug/L	50	50.6	101	79-125	
2-Butanone (MEK)	ug/L	100	108	108	50-134	
2-Hexanone	ug/L	100	113	113	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	107	107	70-131	
Acetone	ug/L	100	92.9J	93	50-146	
Acrylonitrile	ug/L	250	280	112	66-124	
Benzene	ug/L	50	53.9	108	78-128	
Bromochloromethane	ug/L	50	46.0	92	73-124	
Bromodichloromethane	ug/L	50	44.8	90	81-125	
Bromoform	ug/L	50	45.8	92	71-125	
Bromomethane	ug/L	50	49.3	99	50-150	
Carbon disulfide	ug/L	50	61.3J	123	54-150	
Carbon tetrachloride	ug/L	50	51.3	103	81-137	
Chlorobenzene	ug/L	50	51.7	103	82-126	
Chloroethane	ug/L	50	51.5	103	69-140	
Chloroform	ug/L	50	52.7	105	77-129	
Chloromethane	ug/L	50	56.9	114	54-139	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

LABORATORY CONTROL SAMPLE: 320357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	55.6	111	76-133	
cis-1,3-Dichloropropene	ug/L	50	50.2	100	76-127	
Dibromochloromethane	ug/L	50	45.1	90	77-125	
Dibromomethane	ug/L	50	53.9	108	77-125	
Ethylbenzene	ug/L	50	55.1	110	80-127	
Iodomethane	ug/L	100	116	116	65-172	
m&p-Xylene	ug/L	100	97.1	97	82-127	
Methylene Chloride	ug/L	50	54.2	108	67-133	
o-Xylene	ug/L	50	57.2	114	83-124	
Styrene	ug/L	50	49.1	98	80-130	
Tetrachloroethene	ug/L	50	54.9	110	78-128	
Toluene	ug/L	50	51.7	103	76-126	
trans-1,2-Dichloroethene	ug/L	50	54.4	109	78-134	
trans-1,3-Dichloropropene	ug/L	50	48.4	97	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	51.0J	102	51-140	
Trichloroethene	ug/L	50	52.6	105	79-127	
Trichlorofluoromethane	ug/L	50	59.8	120	76-148	
Vinyl acetate	ug/L	100	101	101	50-150	
Vinyl chloride	ug/L	50	47.2	94	67-143	
Xylene (Total)	ug/L	150	154	103	83-125	
1,2-Dichloroethane-d4 (S)	%			93	79-120	
4-Bromofluorobenzene (S)	%			102	87-109	
Dibromofluoromethane (S)	%			100	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 320358 320359

Parameter	Units	9250424017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	76.6	75.4	153	151	60-150	2	30	M0
Benzene	ug/L	ND	50	50	63.5	63.0	127	126	74-136	1	30	
Chlorobenzene	ug/L	ND	50	50	61.8	61.2	124	122	79-135	1	30	
Toluene	ug/L	ND	50	50	60.9	59.9	122	120	73-131	2	30	
Trichloroethene	ug/L	ND	50	50	59.6	58.4	119	117	73-131	2	30	
1,2-Dichloroethane-d4 (S)	%						91	92	79-120			
4-Bromofluorobenzene (S)	%						100	101	87-109			
Dibromofluoromethane (S)	%						97	97	85-115			
Toluene-d8 (S)	%						99	99	70-120			

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: MERP/2322 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9250227001, 9250227002, 9250227003, 9250227004, 9250227005

METHOD BLANK: 322575 Matrix: Water
Associated Lab Samples: 9250227001, 9250227002, 9250227003, 9250227004, 9250227005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/17/09 14:28	

LABORATORY CONTROL SAMPLE: 322576

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	98	80-120	

MATRIX SPIKE SAMPLE: 322577

Parameter	Units	9250227001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	1.5	60	75-125	M0

SAMPLE DUPLICATE: 322578

Parameter	Units	9250227002 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: MPRP/4905 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9250227006, 9250227007, 9250227008, 9250227009

METHOD BLANK: 322369 Matrix: Water
Associated Lab Samples: 9250227006, 9250227007, 9250227008, 9250227009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	08/17/09 20:51	
Arsenic	ug/L	ND	10.0	08/17/09 20:51	
Barium	ug/L	ND	100	08/17/09 20:51	
Beryllium	ug/L	ND	1.0	08/17/09 20:51	
Cadmium	ug/L	ND	1.0	08/17/09 20:51	
Chromium	ug/L	ND	10.0	08/17/09 20:51	
Cobalt	ug/L	ND	10.0	08/17/09 20:51	
Copper	ug/L	ND	10.0	08/17/09 20:51	
Iron	ug/L	ND	50.0	08/17/09 20:51	
Lead	ug/L	ND	10.0	08/17/09 20:51	
Nickel	ug/L	ND	50.0	08/17/09 20:51	
Selenium	ug/L	ND	10.0	08/17/09 20:51	
Silver	ug/L	ND	10.0	08/17/09 20:51	
Thallium	ug/L	ND	5.5	08/17/09 20:51	
Vanadium	ug/L	ND	25.0	08/17/09 20:51	
Zinc	ug/L	9.6J	10.0	08/17/09 20:51	

LABORATORY CONTROL SAMPLE: 322370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	492	98	80-120	
Arsenic	ug/L	500	481	96	80-120	
Barium	ug/L	500	489	98	80-120	
Beryllium	ug/L	500	503	101	80-120	
Cadmium	ug/L	500	487	97	80-120	
Chromium	ug/L	500	499	100	80-120	
Cobalt	ug/L	500	499	100	80-120	
Copper	ug/L	500	489	98	80-120	
Iron	ug/L	5000	4990	100	80-120	
Lead	ug/L	500	493	99	80-120	
Nickel	ug/L	500	496	99	80-120	
Selenium	ug/L	500	476	95	80-120	
Silver	ug/L	250	251	100	80-120	
Thallium	ug/L	500	466	93	80-120	
Vanadium	ug/L	500	495	99	80-120	
Zinc	ug/L	500	491	98	80-120	

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

QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

MATRIX SPIKE SAMPLE: 322371

Parameter	Units	9250424020 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	536	107	75-125	
Arsenic	ug/L	17.3	500	569	110	75-125	
Barium	ug/L	185	500	627	88	75-125	
Beryllium	ug/L	ND	500	506	101	75-125	
Cadmium	ug/L	ND	500	478	96	75-125	
Chromium	ug/L	19.7	500	519	100	75-125	
Cobalt	ug/L	10.6	500	473	92	75-125	
Copper	ug/L	36.0	500	546	102	75-125	
Iron	ug/L	15700	5000	19900	83	75-125	
Lead	ug/L	ND	500	462	92	75-125	
Nickel	ug/L	59.7	500	526	93	75-125	
Selenium	ug/L	ND	500	542	108	75-125	
Silver	ug/L	0.49J	250	278	111	75-125	
Thallium	ug/L	ND	500	403	81	75-125	
Vanadium	ug/L	18.4J	500	516	100	75-125	
Zinc	ug/L	25.6	500	562	107	75-125	

SAMPLE DUPLICATE: 322372

Parameter	Units	9250424021 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	6.3	6.2	3	25	
Arsenic	ug/L	9.7J	9.2J	5	25	
Barium	ug/L	114	115	1	25	
Beryllium	ug/L	ND	ND		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	22.2	21.8	2	25	
Cobalt	ug/L	7.3J	7.3J	1	25	
Copper	ug/L	671	674	0	25	
Iron	ug/L	8240	8210	0	25	
Lead	ug/L	12.5	12.3	2	25	
Nickel	ug/L	87.9	88.1	0	25	
Selenium	ug/L	6.0J	ND		25	
Silver	ug/L	0.58J	0.57J		25	
Thallium	ug/L	ND	ND		25	
Vanadium	ug/L	15.3J	15.3J	0	25	
Zinc	ug/L	83.1	85.6	3	25	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: MPRP/4880 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9250227001, 9250227002, 9250227003, 9250227004, 9250227005

METHOD BLANK: 319302 Matrix: Water
Associated Lab Samples: 9250227001, 9250227002, 9250227003, 9250227004, 9250227005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	08/13/09 01:45	
Arsenic	ug/L	ND	10.0	08/13/09 01:45	
Barium	ug/L	ND	100	08/13/09 01:45	
Beryllium	ug/L	ND	1.0	08/13/09 01:45	
Cadmium	ug/L	ND	1.0	08/13/09 01:45	
Chromium	ug/L	ND	10.0	08/13/09 01:45	
Cobalt	ug/L	ND	10.0	08/13/09 01:45	
Copper	ug/L	ND	10.0	08/13/09 01:45	
Lead	ug/L	ND	10.0	08/13/09 01:45	
Nickel	ug/L	ND	50.0	08/13/09 01:45	
Selenium	ug/L	ND	10.0	08/13/09 01:45	
Silver	ug/L	ND	10.0	08/13/09 01:45	
Thallium	ug/L	ND	5.5	08/13/09 01:45	
Vanadium	ug/L	0.22J	25.0	08/13/09 01:45	
Zinc	ug/L	8.4J	10.0	08/13/09 01:45	

LABORATORY CONTROL SAMPLE: 319303

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	516	103	80-120	
Arsenic	ug/L	500	523	105	80-120	
Barium	ug/L	500	493	99	80-120	
Beryllium	ug/L	500	524	105	80-120	
Cadmium	ug/L	500	531	106	80-120	
Chromium	ug/L	500	541	108	80-120	
Cobalt	ug/L	500	526	105	80-120	
Copper	ug/L	500	490	98	80-120	
Lead	ug/L	500	517	103	80-120	
Nickel	ug/L	500	533	107	80-120	
Selenium	ug/L	500	508	102	80-120	
Silver	ug/L	250	260	104	80-120	
Thallium	ug/L	500	492	98	80-120	
Vanadium	ug/L	500	520	104	80-120	
Zinc	ug/L	500	543	109	80-120	

MATRIX SPIKE SAMPLE: 319304

Parameter	Units	9249914003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	520	104	75-125	
Arsenic	ug/L	ND	500	540	108	75-125	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

MATRIX SPIKE SAMPLE: 319304

Parameter	Units	9249914003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	78.1	500	546	94	75-125	
Beryllium	ug/L	ND	500	535	107	75-125	
Cadmium	ug/L	ND	500	513	103	75-125	
Chromium	ug/L	ND	500	526	105	75-125	
Cobalt	ug/L	19.3	500	521	100	75-125	
Copper	ug/L	ND	500	493	98	75-125	
Lead	ug/L	ND	500	487	97	75-125	
Nickel	ug/L	23.2	500	529	101	75-125	
Selenium	ug/L	ND	500	526	105	75-125	
Silver	ug/L	ND	250	261	104	75-125	
Thallium	ug/L	ND	500	454	91	75-125	
Vanadium	ug/L	ND	500	515	102	75-125	
Zinc	ug/L	13.9	500	549	107	75-125	

SAMPLE DUPLICATE: 319305

Parameter	Units	9249914004 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	ND	2.7J		25	
Barium	ug/L	51.6	52.7J	2	25	
Beryllium	ug/L	ND	ND		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	ND	19.9		25	
Cobalt	ug/L	16.9	17.6	4	25	
Copper	ug/L	ND	4.9J		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	31.8	39.9J	23	25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	ND	1.0J		25	
Thallium	ug/L	ND	ND		25	
Vanadium	ug/L	ND	2.8J		25	
Zinc	ug/L	12.3	11.6	6	25	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: WET/9337 Analysis Method: SM 4500-S2D
QC Batch Method: SM 4500-S2D Analysis Description: 4500S2D Sulfide Water
Associated Lab Samples: 9250227006, 9250227007, 9250227008

METHOD BLANK: 320240 Matrix: Water
Associated Lab Samples: 9250227006, 9250227007, 9250227008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	08/11/09 14:52	

LABORATORY CONTROL SAMPLE: 320241

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	0.50	100	90-110	

MATRIX SPIKE SAMPLE: 320242

Parameter	Units	9250007002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	.5	0.56	112	75-125	

SAMPLE DUPLICATE: 320243

Parameter	Units	9250152002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: MERP/2315 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9250227006, 9250227007, 9250227008

METHOD BLANK: 320000 Matrix: Water
Associated Lab Samples: 9250227006, 9250227007, 9250227008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/12/09 11:55	

LABORATORY CONTROL SAMPLE: 320001

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.2	90	80-120	

MATRIX SPIKE SAMPLE: 320002

Parameter	Units	9250163007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.5	102	75-125	

SAMPLE DUPLICATE: 320003

Parameter	Units	9250163008 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	1.3	1.1	13	25	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

QC Batch: WETA/5695 — Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E — Analysis Description: 4500 Chloride
Associated Lab Samples: 9250227006, 9250227007, 9250227008

METHOD BLANK: 324083 — Matrix: Water
Associated Lab Samples: 9250227006, 9250227007, 9250227008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	5.0	08/19/09 10:06	

LABORATORY CONTROL SAMPLE: 324084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.2	106	90-110	

MATRIX SPIKE SAMPLE: 324085

Parameter	Units	9250178002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	8700	20	9090	1912	75-125	M0

MATRIX SPIKE SAMPLE: 324088

Parameter	Units	9250788002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10.3	20	28.3	90	75-125	

SAMPLE DUPLICATE: 324087

Parameter	Units	9250194001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	142	142	0	20	

SAMPLE DUPLICATE: 324089

Parameter	Units	9250788003 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/L	193	195	1	20	

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Pace Analytical Services, Inc.
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QUALIFIERS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

B4	The glucose/glutamic acid standard exceeded the range of 198 plus or minus 30.5 mg/L.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside control limits.
Z2	Analyte present in the associated method blank above the detection limit.

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Partial submittal combine w/ other samples to be submitted later

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1324950

Section A Required Client Information:

Company: Municipal Engineering Service
Address: PO Box 97
Gainer NC 27529
Email To: jpfohl@mesco.com
Phone: (919)772-5393 Fax: (919)772-1176
Requested Due Date/TAT: standard

Section B Required Project Information:

Report To: Jonathan Pfohl
Copy To:
Purchase Order No.:
Project Name: Wayne Closed MSWLF
Project Number:

Section C Invoice Information:

Attention: See Section A
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Bonnie
Pace Profile #: 2103-3

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N): N

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: VOCs - App I	Metals - App I	Hg*	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9250227
1	MW-3	WT	G			8/4/09	11:00		4				3					✓	✓	✓	N	92502270001
2	MW-4						10:00													✓		002
3	MW-5						11:45													✓		003
4	MW-6						10:35													✓		004
5	MW-7						1:45													✓		005
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
SW-2 & SW-3 DRY	/MESCO	8/5/09	7:30		8/5/09	7:30
* Hg added per Jonathan P. 8/10/09 via email BLM	/MESCO				8/5/09	11:30
		8/5/09 1650		Tomelli Cloud Pace	8/5/09	1650

SAMPLE CONDITIONS: Temp in °C; Received on Ice (Y/N): Y; Custody Sealed Cooler (Y/N): Y; Samples Intact (Y/N): Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jonathan Pfohl
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 8/5/09

ORIGINAL

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

Last C-O-C Combine w/ 1324950 in 1 Report

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Submitted Previously

Combine w/ 1324950

Page: 1 of 1

1324949

Section A Required Client Information:

Company: Municipal Engineering Services (MESCO)
Address: PO Box 97
Garner NC 27529
Email To: jpfohl@mesco.com
Phone: (919)772-5393 Fax: (919)772-1176
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Jonathan Pfohl
Copy To:
Purchase Order No.:
Project Name: Wayne Closed MSWLF
Project Number:

Section C Invoice Information:

Attention: See Section A
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Bonnie
Pace Profile #: 2103-3

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	VOCs-App I	Metals-Tl App I	Mercury	Iron	VFA	Hydrogen-Microorganisms	Methane/Ethane/Ethene-Microorganisms	Sulfate	Sulfide	Chloride	TOC	COD	Residual Chlorine (Y/N)	Nitrate	BOD	Alkalinity	Pace Project No./ Lab I.D.
1	MW-1	WT	G			8/6/09	9:00				2	1	3					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N	✓	✓	✓	0250227
2	MW-2						2:30											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	006
3	MW-8						10:00											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	007
4	SW-1																	✓	✓														008
5																																	009
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	MESCO	8/6/09	9:48PM	pace clt	8-7-09	9:22				
	pace clt	8-7-09	14:37	Pace	8/7/09	14:37	2.3	yes	no	yes
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jonathan Pfohl
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 8/6/09

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

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Sample Condition Upon Receipt

Client Name: Municipal Engineering Service Project # 9250227

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

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

Optional	
Proj. Due Date:	N/A
Proj. Name:	N/A

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

Thermometer Used T060 Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 4.9 Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: 8/5/09

Temp should be above freezing to 6°C

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

Client Notification/ Resolution:

Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: BMH Date: 08-05-09

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

Pace Analytical

Sample Condition Upon Receipt

Client Name: Municipal Eng. Project # 92502227

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

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

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

Thermometer Used T060 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2.3 Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Optional	
Proj. Due Date:	N/A
Proj. Name:	N/A

Date and initials of person examining contents: CW 8/7

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W7		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☑Yes ☐No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): N/A		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: BKM Date: 8/10/09

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

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August 10, 2009

Mr. Jonathan Pfohl
Municipal Engineering Services
PO Box 97
Garner, NC 27529

RE: Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on July 24, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Bonnie McKee

Bonnie McKee

bonnie.mckee@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Charlotte Certification IDs

Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
West Virginia Certification #: 357
Virginia Certification #: 00213
Tennessee Certification #: 04010
South Carolina Drinking Water Cert. #: 990060003
South Carolina Certification #: 990060001
Pennsylvania Certification #: 68-00784
North Carolina Wastewater Certification #: 12
North Carolina Field Services Certification #: 5342
North Carolina Drinking Water Certification #: 37706
New Jersey Certification #: NC012
Louisiana/LELAP Certification #: 04034
Kentucky UST Certification #: 84

Asheville Certification IDs

Connecticut Certification #: PH-0106
Virginia Certification #: 00072
Tennessee Certification #: 2980
South Carolina Certification #: 99030001
South Carolina Bioassay Certification #: 99030002
Pennsylvania Certification #: 68-03578
West Virginia Certification #: 356
North Carolina Drinking Water Certification #: 37712
North Carolina Bioassay Certification #: 9
New Jersey Certification #: NC011
Massachusetts Certification #: M-NC030
Louisiana/LELAP Certification #: 03095
Florida/NELAP Certification #: E87648
North Carolina Wastewater Certification #: 40

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SAMPLE SUMMARY

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9249441001	**MW-9**	Water	07/23/09 16:00	07/24/09 15:25
9249441002	**MW-10**	Water	07/24/09 08:10	07/24/09 15:25
9249441003	**MW-11**	Water	07/23/09 13:00	07/24/09 15:25

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SAMPLE ANALYTE COUNT

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9249441001	**MW-9**	EPA 6010	SHB	15	PASI-A
		EPA 7470	SAJ	1	PASI-A
		EPA 8081	JAC	23	PASI-C
		EPA 8082	JAC	8	PASI-C
		EPA 8260	MCK	65	PASI-C
		EPA 8270	BET	75	PASI-C
		SM 4500-CN-E	EWS	1	PASI-A
		SM 4500-S2D	JDA	1	PASI-A
9249441002	**MW-10**	EPA 6010	SHB	15	PASI-A
		EPA 7470	SAJ	1	PASI-A
		EPA 8081	JAC	23	PASI-C
		EPA 8082	JAC	8	PASI-C
		EPA 8260	MCK	54	PASI-C
		EPA 8270	BET	75	PASI-C
		SM 4500-CN-E	EWS	1	PASI-A
		SM 4500-S2D	JDA	1	PASI-A
9249441003	**MW-11**	EPA 6010	SHB	15	PASI-A
		EPA 7470	SAJ	1	PASI-A
		EPA 8081	JAC	23	PASI-C
		EPA 8082	JAC	8	PASI-C
		EPA 8260	MCK	54	PASI-C
		EPA 8270	BET	75	PASI-C
		SM 4500-CN-E	EWS	1	PASI-A
		SM 4500-S2D	JDA	1	PASI-A

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-9 **Lab ID: 9249441001** Collected: 07/23/09 16:00 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3535								
Aldrin	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.50	1	07/28/09 10:00	08/05/09 17:38	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:38	1024-57-3	
Methoxychlor	ND	ug/L	0.50	0.50	1	07/28/09 10:00	08/05/09 17:38	72-43-5	
Mirex	ND	ug/L	0.50	0.50	1	07/28/09 10:00	08/05/09 17:38	2385-85-5	
Toxaphene	ND	ug/L	0.50	0.50	1	07/28/09 10:00	08/05/09 17:38	8001-35-2	
Tetrachloro-m-xylene (S)	75	%	20-110		1	07/28/09 10:00	08/05/09 17:38	877-09-8	
Decachlorobiphenyl (S)	77	%	20-138		1	07/28/09 10:00	08/05/09 17:38	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3535								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	07/28/09 11:15	08/05/09 17:38	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	07/28/09 11:15	08/05/09 17:38	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	07/28/09 11:15	08/05/09 17:38	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	07/28/09 11:15	08/05/09 17:38	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	07/28/09 11:15	08/05/09 17:38	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	07/28/09 11:15	08/05/09 17:38	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	07/28/09 11:15	08/05/09 17:38	11096-82-5	
Decachlorobiphenyl (S)	77	%	10-132		1	07/28/09 11:15	08/05/09 17:38	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	07/30/09 10:30	07/31/09 21:38	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/30/09 10:30	07/31/09 21:38	7440-38-2	
Barium	**44.7J**	ug/L	100	0.20	1	07/30/09 10:30	07/31/09 21:38	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/30/09 10:30	07/31/09 21:38	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/30/09 10:30	07/31/09 21:38	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	07/30/09 10:30	07/31/09 21:38	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	07/30/09 10:30	07/31/09 21:38	7440-48-4	
Copper	**0.98J**	ug/L	10.0	0.30	1	07/30/09 10:30	07/31/09 21:38	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/30/09 10:30	07/31/09 21:38	7439-92-1	
Nickel	**4.6J**	ug/L	50.0	1.7	1	07/30/09 10:30	07/31/09 21:38	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/30/09 10:30	07/31/09 21:38	7782-49-2	

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-9 **Lab ID: 9249441001** Collected: 07/23/09 16:00 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010		Preparation Method: EPA 3010						
Silver	**0.43J**	ug/L	10.0	0.10	1	07/30/09 10:30	07/31/09 21:38	7440-22-4	Z2
Thallium	ND	ug/L	5.5	3.0	1	07/30/09 10:30	07/31/09 21:38	7440-28-0	
Vanadium	**0.30J**	ug/L	25.0	0.20	1	07/30/09 10:30	07/31/09 21:38	7440-62-2	
Zinc	**15.5**	ug/L	10.0	0.40	1	07/30/09 10:30	07/31/09 21:38	7440-66-6	R1,Z2
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.070	1	07/28/09 14:35	07/29/09 11:47	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270		Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	10.0	2.8	1	07/30/09 00:00	08/03/09 23:18	83-32-9	
Acenaphthylene	ND	ug/L	10.0	2.8	1	07/30/09 00:00	08/03/09 23:18	208-96-8	
Aniline	ND	ug/L	10.0	5.1	1	07/30/09 00:00	08/03/09 23:18	62-53-3	
Anthracene	ND	ug/L	10.0	2.9	1	07/30/09 00:00	08/03/09 23:18	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	2.8	1	07/30/09 00:00	08/03/09 23:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	3.1	1	07/30/09 00:00	08/03/09 23:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	3.6	1	07/30/09 00:00	08/03/09 23:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	3.1	1	07/30/09 00:00	08/03/09 23:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	3.0	1	07/30/09 00:00	08/03/09 23:18	207-08-9	
Benzoic Acid	ND	ug/L	50.0	50.0	1	07/30/09 00:00	08/03/09 23:18	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	3.6	1	07/30/09 00:00	08/03/09 23:18	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	2.4	1	07/30/09 00:00	08/03/09 23:18	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	2.9	1	07/30/09 00:00	08/03/09 23:18	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	2.8	1	07/30/09 00:00	08/03/09 23:18	59-50-7	
4-Chloroaniline	ND	ug/L	50.0	5.3	1	07/30/09 00:00	08/03/09 23:18	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	5.8	1	07/30/09 00:00	08/03/09 23:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	4.8	1	07/30/09 00:00	08/03/09 23:18	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	4.0	1	07/30/09 00:00	08/03/09 23:18	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	3.6	1	07/30/09 00:00	08/03/09 23:18	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	4.4	1	07/30/09 00:00	08/03/09 23:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	2.7	1	07/30/09 00:00	08/03/09 23:18	7005-72-3	
Chrysene	ND	ug/L	10.0	2.7	1	07/30/09 00:00	08/03/09 23:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	2.9	1	07/30/09 00:00	08/03/09 23:18	53-70-3	
Dibenzofuran	ND	ug/L	10.0	2.6	1	07/30/09 00:00	08/03/09 23:18	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	3.4	1	07/30/09 00:00	08/03/09 23:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	3.3	1	07/30/09 00:00	08/03/09 23:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	3.6	1	07/30/09 00:00	08/03/09 23:18	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	50.0	3.4	1	07/30/09 00:00	08/03/09 23:18	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	5.8	1	07/30/09 00:00	08/03/09 23:18	120-83-2	
Diethylphthalate	ND	ug/L	10.0	2.4	1	07/30/09 00:00	08/03/09 23:18	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	5.6	1	07/30/09 00:00	08/03/09 23:18	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	2.4	1	07/30/09 00:00	08/03/09 23:18	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	2.9	1	07/30/09 00:00	08/03/09 23:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	7.8	1	07/30/09 00:00	08/03/09 23:18	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	10.0	1	07/30/09 00:00	08/03/09 23:18	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	2.6	1	07/30/09 00:00	08/03/09 23:18	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	2.8	1	07/30/09 00:00	08/03/09 23:18	606-20-2	

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-9 **Lab ID: 9249441001** Collected: 07/23/09 16:00 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Di-n-octylphthalate	ND	ug/L	10.0	2.9	1	07/30/09 00:00	08/03/09 23:18	117-84-0	
1,2-Diphenylhydrazine	ND	ug/L	10.0	2.2	1	07/30/09 00:00	08/03/09 23:18	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	2.1	1	07/30/09 00:00	08/03/09 23:18	117-81-7	
Fluoranthene	ND	ug/L	10.0	2.9	1	07/30/09 00:00	08/03/09 23:18	206-44-0	
Fluorene	ND	ug/L	10.0	2.6	1	07/30/09 00:00	08/03/09 23:18	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	3.3	1	07/30/09 00:00	08/03/09 23:18	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	2.6	1	07/30/09 00:00	08/03/09 23:18	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	3.7	1	07/30/09 00:00	08/03/09 23:18	77-47-4	
Hexachloroethane	ND	ug/L	10.0	3.3	1	07/30/09 00:00	08/03/09 23:18	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	3.0	1	07/30/09 00:00	08/03/09 23:18	193-39-5	
Isophorone	ND	ug/L	10.0	6.5	1	07/30/09 00:00	08/03/09 23:18	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	3.6	1	07/30/09 00:00	08/03/09 23:18	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	3.4	1	07/30/09 00:00	08/03/09 23:18	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	3.7	1	07/30/09 00:00	08/03/09 23:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	3.0	1	07/30/09 00:00	08/03/09 23:18		
Naphthalene	ND	ug/L	10.0	3.8	1	07/30/09 00:00	08/03/09 23:18	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.7	1	07/30/09 00:00	08/03/09 23:18	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	3.0	1	07/30/09 00:00	08/03/09 23:18	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	4.0	1	07/30/09 00:00	08/03/09 23:18	100-01-6	
Nitrobenzene	ND	ug/L	10.0	4.4	1	07/30/09 00:00	08/03/09 23:18	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	4.6	1	07/30/09 00:00	08/03/09 23:18	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1.8	1	07/30/09 00:00	08/03/09 23:18	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	3.1	1	07/30/09 00:00	08/03/09 23:18	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	3.7	1	07/30/09 00:00	08/03/09 23:18	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	6.6	1	07/30/09 00:00	08/03/09 23:18	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1.6	1	07/30/09 00:00	08/03/09 23:18	87-86-5	
Phenanthrene	ND	ug/L	10.0	2.7	1	07/30/09 00:00	08/03/09 23:18	85-01-8	
Phenol	ND	ug/L	10.0	1.8	1	07/30/09 00:00	08/03/09 23:18	108-95-2	
Pyrene	ND	ug/L	10.0	2.9	1	07/30/09 00:00	08/03/09 23:18	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	3.4	1	07/30/09 00:00	08/03/09 23:18	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	5.6	1	07/30/09 00:00	08/03/09 23:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	6.1	1	07/30/09 00:00	08/03/09 23:18	88-06-2	
Nitrobenzene-d5 (S)	42	%	30-150		1	07/30/09 00:00	08/03/09 23:18	4165-60-0	
2-Fluorobiphenyl (S)	37	%	30-150		1	07/30/09 00:00	08/03/09 23:18	321-60-8	
Terphenyl-d14 (S)	53	%	30-150		1	07/30/09 00:00	08/03/09 23:18	1718-51-0	
Phenol-d6 (S)	27	%	25-150		1	07/30/09 00:00	08/03/09 23:18	13127-88-3	
2-Fluorophenol (S)	29	%	25-150		1	07/30/09 00:00	08/03/09 23:18	367-12-4	
2,4,6-Tribromophenol (S)	56	%	25-150		1	07/30/09 00:00	08/03/09 23:18	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**4.8J**	ug/L	100	2.2	1		07/31/09 10:32	67-64-1	
Acrolein	ND	ug/L	10.0	1.6	1		07/31/09 10:32	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		07/31/09 10:32	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		07/31/09 10:32	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		07/31/09 10:32	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/31/09 10:32	74-97-5	

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-9 **Lab ID: 9249441001** Collected: 07/23/09 16:00 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/31/09 10:32	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/31/09 10:32	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/31/09 10:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/31/09 10:32	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/31/09 10:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/31/09 10:32	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/31/09 10:32	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/31/09 10:32	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/31/09 10:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/31/09 10:32	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		07/31/09 10:32	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/31/09 10:32	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/31/09 10:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/31/09 10:32	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/31/09 10:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/31/09 10:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/31/09 10:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/31/09 10:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/31/09 10:32	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/31/09 10:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/31/09 10:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/31/09 10:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		07/31/09 10:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/31/09 10:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/31/09 10:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/31/09 10:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/31/09 10:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/31/09 10:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/31/09 10:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		07/31/09 10:32	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/31/09 10:32	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/31/09 10:32	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/31/09 10:32	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		07/31/09 10:32	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		07/31/09 10:32	126-98-7	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/31/09 10:32	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		07/31/09 10:32	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/31/09 10:32	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		07/31/09 10:32	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		07/31/09 10:32	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		07/31/09 10:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/31/09 10:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/31/09 10:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/31/09 10:32	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/31/09 10:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/31/09 10:32	71-55-6	

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-9 **Lab ID: 9249441001** Collected: 07/23/09 16:00 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/31/09 10:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/31/09 10:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/31/09 10:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/31/09 10:32	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/31/09 10:32	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/31/09 10:32	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/31/09 10:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/31/09 10:32	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		07/31/09 10:32	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		07/31/09 10:32	460-00-4	
Dibromofluoromethane (S)	101	%	85-115		1		07/31/09 10:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	79-120		1		07/31/09 10:32	17060-07-0	
Toluene-d8 (S)	103	%	70-120		1		07/31/09 10:32	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	mg/L	0.10	0.10	1		07/28/09 15:32		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		07/30/09 12:02	57-12-5	

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-10 **Lab ID: 9249441002** Collected: 07/24/09 08:10 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3535								
Aldrin	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.50	1	07/31/09 00:00	08/05/09 18:07	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	07/31/09 00:00	08/05/09 18:07	1024-57-3	
Methoxychlor	ND	ug/L	0.50	0.50	1	07/31/09 00:00	08/05/09 18:07	72-43-5	
Mirex	ND	ug/L	0.50	0.50	1	07/31/09 00:00	08/05/09 18:07	2385-85-5	
Toxaphene	ND	ug/L	0.50	0.50	1	07/31/09 00:00	08/05/09 18:07	8001-35-2	
Tetrachloro-m-xylene (S)	22	%	20-110		1	07/31/09 00:00	08/05/09 18:07	877-09-8	
Decachlorobiphenyl (S)	22	%	20-138		1	07/31/09 00:00	08/05/09 18:07	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3535								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	07/31/09 00:00	08/05/09 18:07	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	07/31/09 00:00	08/05/09 18:07	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	07/31/09 00:00	08/05/09 18:07	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	07/31/09 00:00	08/05/09 18:07	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	07/31/09 00:00	08/05/09 18:07	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	07/31/09 00:00	08/05/09 18:07	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	07/31/09 00:00	08/05/09 18:07	11096-82-5	
Decachlorobiphenyl (S)	22	%	10-132		1	07/31/09 00:00	08/05/09 18:07	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	07/30/09 10:30	07/31/09 21:56	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/30/09 10:30	07/31/09 21:56	7440-38-2	
Barium	**179**	ug/L	100	0.20	1	07/30/09 10:30	07/31/09 21:56	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/30/09 10:30	07/31/09 21:56	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/30/09 10:30	07/31/09 21:56	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	07/30/09 10:30	07/31/09 21:56	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	07/30/09 10:30	07/31/09 21:56	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	07/30/09 10:30	07/31/09 21:56	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/30/09 10:30	07/31/09 21:56	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	07/30/09 10:30	07/31/09 21:56	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/30/09 10:30	07/31/09 21:56	7782-49-2	

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-10 **Lab ID: 9249441002** Collected: 07/24/09 08:10 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010		Preparation Method: EPA 3010						
Silver	**0.39J**	ug/L	10.0	0.10	1	07/30/09 10:30	07/31/09 21:56	7440-22-4	Z2
Thallium	ND	ug/L	5.5	3.0	1	07/30/09 10:30	07/31/09 21:56	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	07/30/09 10:30	07/31/09 21:56	7440-62-2	
Zinc	**9.2J**	ug/L	10.0	0.40	1	07/30/09 10:30	07/31/09 21:56	7440-66-6	Z2
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.070	1	07/28/09 14:35	07/29/09 11:50	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270		Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	10.6	3.0	1	07/31/09 00:00	08/04/09 06:48	83-32-9	
Acenaphthylene	ND	ug/L	10.6	3.0	1	07/31/09 00:00	08/04/09 06:48	208-96-8	
Aniline	ND	ug/L	10.6	5.4	1	07/31/09 00:00	08/04/09 06:48	62-53-3	
Anthracene	ND	ug/L	10.6	3.1	1	07/31/09 00:00	08/04/09 06:48	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.6	3.0	1	07/31/09 00:00	08/04/09 06:48	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.6	3.3	1	07/31/09 00:00	08/04/09 06:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.6	3.8	1	07/31/09 00:00	08/04/09 06:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.6	3.3	1	07/31/09 00:00	08/04/09 06:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.6	3.2	1	07/31/09 00:00	08/04/09 06:48	207-08-9	
Benzoic Acid	ND	ug/L	53.2	53.2	1	07/31/09 00:00	08/04/09 06:48	65-85-0	
Benzyl alcohol	ND	ug/L	21.3	3.8	1	07/31/09 00:00	08/04/09 06:48	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.6	2.6	1	07/31/09 00:00	08/04/09 06:48	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.6	3.1	1	07/31/09 00:00	08/04/09 06:48	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	21.3	3.0	1	07/31/09 00:00	08/04/09 06:48	59-50-7	
4-Chloroaniline	ND	ug/L	53.2	5.6	1	07/31/09 00:00	08/04/09 06:48	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.6	6.2	1	07/31/09 00:00	08/04/09 06:48	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.6	5.1	1	07/31/09 00:00	08/04/09 06:48	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.6	4.3	1	07/31/09 00:00	08/04/09 06:48	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.6	3.8	1	07/31/09 00:00	08/04/09 06:48	91-58-7	
2-Chlorophenol	ND	ug/L	10.6	4.7	1	07/31/09 00:00	08/04/09 06:48	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.6	2.9	1	07/31/09 00:00	08/04/09 06:48	7005-72-3	
Chrysene	ND	ug/L	10.6	2.9	1	07/31/09 00:00	08/04/09 06:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.6	3.1	1	07/31/09 00:00	08/04/09 06:48	53-70-3	
Dibenzofuran	ND	ug/L	10.6	2.8	1	07/31/09 00:00	08/04/09 06:48	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.6	3.6	1	07/31/09 00:00	08/04/09 06:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.6	3.5	1	07/31/09 00:00	08/04/09 06:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.6	3.8	1	07/31/09 00:00	08/04/09 06:48	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	53.2	3.6	1	07/31/09 00:00	08/04/09 06:48	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.6	6.2	1	07/31/09 00:00	08/04/09 06:48	120-83-2	
Diethylphthalate	ND	ug/L	10.6	2.6	1	07/31/09 00:00	08/04/09 06:48	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.6	6.0	1	07/31/09 00:00	08/04/09 06:48	105-67-9	
Dimethylphthalate	ND	ug/L	10.6	2.6	1	07/31/09 00:00	08/04/09 06:48	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.6	3.1	1	07/31/09 00:00	08/04/09 06:48	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	21.3	8.3	1	07/31/09 00:00	08/04/09 06:48	534-52-1	
2,4-Dinitrophenol	ND	ug/L	53.2	10.6	1	07/31/09 00:00	08/04/09 06:48	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.6	2.8	1	07/31/09 00:00	08/04/09 06:48	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.6	3.0	1	07/31/09 00:00	08/04/09 06:48	606-20-2	

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-10 **Lab ID: 9249441002** Collected: 07/24/09 08:10 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Di-n-octylphthalate	ND	ug/L	10.6	3.1	1	07/31/09 00:00	08/04/09 06:48	117-84-0	
1,2-Diphenylhydrazine	ND	ug/L	10.6	2.3	1	07/31/09 00:00	08/04/09 06:48	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.6	2.2	1	07/31/09 00:00	08/04/09 06:48	117-81-7	
Fluoranthene	ND	ug/L	10.6	3.1	1	07/31/09 00:00	08/04/09 06:48	206-44-0	
Fluorene	ND	ug/L	10.6	2.8	1	07/31/09 00:00	08/04/09 06:48	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.6	3.5	1	07/31/09 00:00	08/04/09 06:48	87-68-3	
Hexachlorobenzene	ND	ug/L	10.6	2.8	1	07/31/09 00:00	08/04/09 06:48	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.6	3.9	1	07/31/09 00:00	08/04/09 06:48	77-47-4	
Hexachloroethane	ND	ug/L	10.6	3.5	1	07/31/09 00:00	08/04/09 06:48	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.6	3.2	1	07/31/09 00:00	08/04/09 06:48	193-39-5	
Isophorone	ND	ug/L	10.6	6.9	1	07/31/09 00:00	08/04/09 06:48	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.6	3.8	1	07/31/09 00:00	08/04/09 06:48	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.6	3.6	1	07/31/09 00:00	08/04/09 06:48	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.6	3.9	1	07/31/09 00:00	08/04/09 06:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.6	3.2	1	07/31/09 00:00	08/04/09 06:48		
Naphthalene	ND	ug/L	10.6	4.0	1	07/31/09 00:00	08/04/09 06:48	91-20-3	
2-Nitroaniline	ND	ug/L	53.2	2.9	1	07/31/09 00:00	08/04/09 06:48	88-74-4	
3-Nitroaniline	ND	ug/L	53.2	3.2	1	07/31/09 00:00	08/04/09 06:48	99-09-2	
4-Nitroaniline	ND	ug/L	53.2	4.3	1	07/31/09 00:00	08/04/09 06:48	100-01-6	
Nitrobenzene	ND	ug/L	10.6	4.7	1	07/31/09 00:00	08/04/09 06:48	98-95-3	
2-Nitrophenol	ND	ug/L	10.6	4.9	1	07/31/09 00:00	08/04/09 06:48	88-75-5	
4-Nitrophenol	ND	ug/L	53.2	1.9	1	07/31/09 00:00	08/04/09 06:48	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.6	3.3	1	07/31/09 00:00	08/04/09 06:48	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.6	3.9	1	07/31/09 00:00	08/04/09 06:48	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.6	7.0	1	07/31/09 00:00	08/04/09 06:48	86-30-6	
Pentachlorophenol	ND	ug/L	53.2	1.7	1	07/31/09 00:00	08/04/09 06:48	87-86-5	
Phenanthrene	ND	ug/L	10.6	2.9	1	07/31/09 00:00	08/04/09 06:48	85-01-8	
Phenol	ND	ug/L	10.6	1.9	1	07/31/09 00:00	08/04/09 06:48	108-95-2	
Pyrene	ND	ug/L	10.6	3.1	1	07/31/09 00:00	08/04/09 06:48	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.6	3.6	1	07/31/09 00:00	08/04/09 06:48	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.6	6.0	1	07/31/09 00:00	08/04/09 06:48	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.6	6.5	1	07/31/09 00:00	08/04/09 06:48	88-06-2	
Nitrobenzene-d5 (S)	43	%	30-150		1	07/31/09 00:00	08/04/09 06:48	4165-60-0	
2-Fluorobiphenyl (S)	45	%	30-150		1	07/31/09 00:00	08/04/09 06:48	321-60-8	
Terphenyl-d14 (S)	50	%	30-150		1	07/31/09 00:00	08/04/09 06:48	1718-51-0	
Phenol-d6 (S)	25	%	25-150		1	07/31/09 00:00	08/04/09 06:48	13127-88-3	
2-Fluorophenol (S)	27	%	25-150		1	07/31/09 00:00	08/04/09 06:48	367-12-4	
2,4,6-Tribromophenol (S)	46	%	25-150		1	07/31/09 00:00	08/04/09 06:48	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/31/09 10:51	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/31/09 10:51	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/31/09 10:51	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/31/09 10:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/31/09 10:51	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/31/09 10:51	75-25-2	

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-10 **Lab ID: 9249441002** Collected: 07/24/09 08:10 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Bromomethane	ND	ug/L	10.0	0.29	1		07/31/09 10:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/31/09 10:51	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/31/09 10:51	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/31/09 10:51	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/31/09 10:51	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/31/09 10:51	75-00-3	
Chloroform	**0.57J**	ug/L	5.0	0.14	1		07/31/09 10:51	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/31/09 10:51	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/31/09 10:51	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/31/09 10:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/31/09 10:51	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/31/09 10:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/31/09 10:51	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/31/09 10:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/31/09 10:51	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/31/09 10:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/31/09 10:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/31/09 10:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		07/31/09 10:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/31/09 10:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/31/09 10:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/31/09 10:51	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/31/09 10:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		07/31/09 10:51	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/31/09 10:51	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/31/09 10:51	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/31/09 10:51	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/31/09 10:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/31/09 10:51	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/31/09 10:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/31/09 10:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/31/09 10:51	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/31/09 10:51	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/31/09 10:51	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/31/09 10:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/31/09 10:51	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/31/09 10:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/31/09 10:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/31/09 10:51	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/31/09 10:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/31/09 10:51	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/31/09 10:51	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/31/09 10:51	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		07/31/09 10:51	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		07/31/09 10:51	460-00-4	
Dibromofluoromethane (S)	102	%	85-115		1		07/31/09 10:51	1868-53-7	

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-10 **Lab ID: 9249441002** Collected: 07/24/09 08:10 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2-Dichloroethane-d4 (S)	109	%	79-120		1		07/31/09 10:51	17060-07-0	
Toluene-d8 (S)	103	%	70-120		1		07/31/09 10:51	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	mg/L	0.10	0.10	1		07/28/09 15:32		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		07/30/09 12:02	57-12-5	

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-11 **Lab ID: 9249441003** Collected: 07/23/09 13:00 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3535								
Aldrin	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.50	1	07/28/09 10:00	08/05/09 17:52	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	07/28/09 10:00	08/05/09 17:52	1024-57-3	
Methoxychlor	ND	ug/L	0.50	0.50	1	07/28/09 10:00	08/05/09 17:52	72-43-5	
Mirex	ND	ug/L	0.50	0.50	1	07/28/09 10:00	08/05/09 17:52	2385-85-5	
Toxaphene	ND	ug/L	0.50	0.50	1	07/28/09 10:00	08/05/09 17:52	8001-35-2	
Tetrachloro-m-xylene (S)	26	%	20-110		1	07/28/09 10:00	08/05/09 17:52	877-09-8	
Decachlorobiphenyl (S)	30	%	20-138		1	07/28/09 10:00	08/05/09 17:52	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3535								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	07/28/09 11:15	08/05/09 17:52	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	07/28/09 11:15	08/05/09 17:52	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	07/28/09 11:15	08/05/09 17:52	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	07/28/09 11:15	08/05/09 17:52	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	07/28/09 11:15	08/05/09 17:52	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	07/28/09 11:15	08/05/09 17:52	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	07/28/09 11:15	08/05/09 17:52	11096-82-5	
Decachlorobiphenyl (S)	30	%	10-132		1	07/28/09 11:15	08/05/09 17:52	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**2.6J**	ug/L	6.0	2.6	1	07/30/09 10:30	07/31/09 22:00	7440-36-0	
Arsenic	**20.6**	ug/L	10.0	2.7	1	07/30/09 10:30	07/31/09 22:00	7440-38-2	
Barium	**157**	ug/L	100	0.20	1	07/30/09 10:30	07/31/09 22:00	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/30/09 10:30	07/31/09 22:00	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/30/09 10:30	07/31/09 22:00	7440-43-9	
Chromium	**21.8**	ug/L	10.0	0.40	1	07/30/09 10:30	07/31/09 22:00	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	07/30/09 10:30	07/31/09 22:00	7440-48-4	
Copper	**6.6J**	ug/L	10.0	0.30	1	07/30/09 10:30	07/31/09 22:00	7440-50-8	
Lead	**5.7J**	ug/L	10.0	4.0	1	07/30/09 10:30	07/31/09 22:00	7439-92-1	
Nickel	**20.2J**	ug/L	50.0	1.7	1	07/30/09 10:30	07/31/09 22:00	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/30/09 10:30	07/31/09 22:00	7782-49-2	

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-11 **Lab ID: 9249441003** Collected: 07/23/09 13:00 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010		Preparation Method: EPA 3010						
Silver	**0.40J**	ug/L	10.0	0.10	1	07/30/09 10:30	07/31/09 22:00	7440-22-4	Z2
Thallium	ND	ug/L	5.5	3.0	1	07/30/09 10:30	07/31/09 22:00	7440-28-0	
Vanadium	**37.4**	ug/L	25.0	0.20	1	07/30/09 10:30	07/31/09 22:00	7440-62-2	
Zinc	**21.0**	ug/L	10.0	0.40	1	07/30/09 10:30	07/31/09 22:00	7440-66-6	Z2
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.070	1	07/28/09 14:35	07/29/09 11:52	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270		Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	12.2	3.4	1	07/30/09 00:00	08/04/09 00:33	83-32-9	
Acenaphthylene	ND	ug/L	12.2	3.4	1	07/30/09 00:00	08/04/09 00:33	208-96-8	
Aniline	ND	ug/L	12.2	6.2	1	07/30/09 00:00	08/04/09 00:33	62-53-3	
Anthracene	ND	ug/L	12.2	3.5	1	07/30/09 00:00	08/04/09 00:33	120-12-7	
Benzo(a)anthracene	ND	ug/L	12.2	3.4	1	07/30/09 00:00	08/04/09 00:33	56-55-3	
Benzo(a)pyrene	ND	ug/L	12.2	3.8	1	07/30/09 00:00	08/04/09 00:33	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	12.2	4.4	1	07/30/09 00:00	08/04/09 00:33	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	12.2	3.8	1	07/30/09 00:00	08/04/09 00:33	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	12.2	3.7	1	07/30/09 00:00	08/04/09 00:33	207-08-9	
Benzoic Acid	ND	ug/L	61.0	61.0	1	07/30/09 00:00	08/04/09 00:33	65-85-0	
Benzyl alcohol	ND	ug/L	24.4	4.4	1	07/30/09 00:00	08/04/09 00:33	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	12.2	2.9	1	07/30/09 00:00	08/04/09 00:33	101-55-3	
Butylbenzylphthalate	ND	ug/L	12.2	3.5	1	07/30/09 00:00	08/04/09 00:33	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	24.4	3.4	1	07/30/09 00:00	08/04/09 00:33	59-50-7	
4-Chloroaniline	ND	ug/L	61.0	6.5	1	07/30/09 00:00	08/04/09 00:33	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	12.2	7.1	1	07/30/09 00:00	08/04/09 00:33	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	12.2	5.9	1	07/30/09 00:00	08/04/09 00:33	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	12.2	4.9	1	07/30/09 00:00	08/04/09 00:33	108-60-1	
2-Chloronaphthalene	ND	ug/L	12.2	4.4	1	07/30/09 00:00	08/04/09 00:33	91-58-7	
2-Chlorophenol	ND	ug/L	12.2	5.4	1	07/30/09 00:00	08/04/09 00:33	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	12.2	3.3	1	07/30/09 00:00	08/04/09 00:33	7005-72-3	
Chrysene	ND	ug/L	12.2	3.3	1	07/30/09 00:00	08/04/09 00:33	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	12.2	3.5	1	07/30/09 00:00	08/04/09 00:33	53-70-3	
Dibenzofuran	ND	ug/L	12.2	3.2	1	07/30/09 00:00	08/04/09 00:33	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	12.2	4.1	1	07/30/09 00:00	08/04/09 00:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	12.2	4.0	1	07/30/09 00:00	08/04/09 00:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	12.2	4.4	1	07/30/09 00:00	08/04/09 00:33	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	61.0	4.1	1	07/30/09 00:00	08/04/09 00:33	91-94-1	
2,4-Dichlorophenol	ND	ug/L	12.2	7.1	1	07/30/09 00:00	08/04/09 00:33	120-83-2	
Diethylphthalate	ND	ug/L	12.2	2.9	1	07/30/09 00:00	08/04/09 00:33	84-66-2	
2,4-Dimethylphenol	ND	ug/L	12.2	6.8	1	07/30/09 00:00	08/04/09 00:33	105-67-9	
Dimethylphthalate	ND	ug/L	12.2	2.9	1	07/30/09 00:00	08/04/09 00:33	131-11-3	
Di-n-butylphthalate	ND	ug/L	12.2	3.5	1	07/30/09 00:00	08/04/09 00:33	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	24.4	9.5	1	07/30/09 00:00	08/04/09 00:33	534-52-1	
2,4-Dinitrophenol	ND	ug/L	61.0	12.2	1	07/30/09 00:00	08/04/09 00:33	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	12.2	3.2	1	07/30/09 00:00	08/04/09 00:33	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	12.2	3.4	1	07/30/09 00:00	08/04/09 00:33	606-20-2	

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-11 **Lab ID: 9249441003** Collected: 07/23/09 13:00 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Di-n-octylphthalate	ND	ug/L	12.2	3.5	1	07/30/09 00:00	08/04/09 00:33	117-84-0	
1,2-Diphenylhydrazine	ND	ug/L	12.2	2.7	1	07/30/09 00:00	08/04/09 00:33	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	ug/L	12.2	2.6	1	07/30/09 00:00	08/04/09 00:33	117-81-7	
Fluoranthene	ND	ug/L	12.2	3.5	1	07/30/09 00:00	08/04/09 00:33	206-44-0	
Fluorene	ND	ug/L	12.2	3.2	1	07/30/09 00:00	08/04/09 00:33	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	12.2	4.0	1	07/30/09 00:00	08/04/09 00:33	87-68-3	
Hexachlorobenzene	ND	ug/L	12.2	3.2	1	07/30/09 00:00	08/04/09 00:33	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	12.2	4.5	1	07/30/09 00:00	08/04/09 00:33	77-47-4	
Hexachloroethane	ND	ug/L	12.2	4.0	1	07/30/09 00:00	08/04/09 00:33	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	12.2	3.7	1	07/30/09 00:00	08/04/09 00:33	193-39-5	
Isophorone	ND	ug/L	12.2	7.9	1	07/30/09 00:00	08/04/09 00:33	78-59-1	
1-Methylnaphthalene	ND	ug/L	12.2	4.4	1	07/30/09 00:00	08/04/09 00:33	90-12-0	
2-Methylnaphthalene	ND	ug/L	12.2	4.1	1	07/30/09 00:00	08/04/09 00:33	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	12.2	4.5	1	07/30/09 00:00	08/04/09 00:33	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	12.2	3.7	1	07/30/09 00:00	08/04/09 00:33		
Naphthalene	ND	ug/L	12.2	4.6	1	07/30/09 00:00	08/04/09 00:33	91-20-3	
2-Nitroaniline	ND	ug/L	61.0	3.3	1	07/30/09 00:00	08/04/09 00:33	88-74-4	
3-Nitroaniline	ND	ug/L	61.0	3.7	1	07/30/09 00:00	08/04/09 00:33	99-09-2	
4-Nitroaniline	ND	ug/L	61.0	4.9	1	07/30/09 00:00	08/04/09 00:33	100-01-6	
Nitrobenzene	ND	ug/L	12.2	5.4	1	07/30/09 00:00	08/04/09 00:33	98-95-3	
2-Nitrophenol	ND	ug/L	12.2	5.6	1	07/30/09 00:00	08/04/09 00:33	88-75-5	
4-Nitrophenol	ND	ug/L	61.0	2.2	1	07/30/09 00:00	08/04/09 00:33	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	12.2	3.8	1	07/30/09 00:00	08/04/09 00:33	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	12.2	4.5	1	07/30/09 00:00	08/04/09 00:33	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	12.2	8.0	1	07/30/09 00:00	08/04/09 00:33	86-30-6	
Pentachlorophenol	ND	ug/L	61.0	2.0	1	07/30/09 00:00	08/04/09 00:33	87-86-5	
Phenanthrene	ND	ug/L	12.2	3.3	1	07/30/09 00:00	08/04/09 00:33	85-01-8	
Phenol	ND	ug/L	12.2	2.2	1	07/30/09 00:00	08/04/09 00:33	108-95-2	
Pyrene	ND	ug/L	12.2	3.5	1	07/30/09 00:00	08/04/09 00:33	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	12.2	4.1	1	07/30/09 00:00	08/04/09 00:33	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	12.2	6.8	1	07/30/09 00:00	08/04/09 00:33	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	12.2	7.4	1	07/30/09 00:00	08/04/09 00:33	88-06-2	
Nitrobenzene-d5 (S)	69	%	30-150		1	07/30/09 00:00	08/04/09 00:33	4165-60-0	
2-Fluorobiphenyl (S)	70	%	30-150		1	07/30/09 00:00	08/04/09 00:33	321-60-8	
Terphenyl-d14 (S)	65	%	30-150		1	07/30/09 00:00	08/04/09 00:33	1718-51-0	
Phenol-d6 (S)	34	%	25-150		1	07/30/09 00:00	08/04/09 00:33	13127-88-3	
2-Fluorophenol (S)	40	%	25-150		1	07/30/09 00:00	08/04/09 00:33	367-12-4	
2,4,6-Tribromophenol (S)	73	%	25-150		1	07/30/09 00:00	08/04/09 00:33	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/31/09 11:10	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/31/09 11:10	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/31/09 11:10	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/31/09 11:10	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/31/09 11:10	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/31/09 11:10	75-25-2	

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-11 **Lab ID: 9249441003** Collected: 07/23/09 13:00 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Bromomethane	ND	ug/L	10.0	0.29	1		07/31/09 11:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/31/09 11:10	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/31/09 11:10	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/31/09 11:10	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/31/09 11:10	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/31/09 11:10	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/31/09 11:10	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/31/09 11:10	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/31/09 11:10	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/31/09 11:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/31/09 11:10	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/31/09 11:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/31/09 11:10	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/31/09 11:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/31/09 11:10	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/31/09 11:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/31/09 11:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/31/09 11:10	75-35-4	
cis-1,2-Dichloroethene	**0.43J**	ug/L	5.0	0.19	1		07/31/09 11:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/31/09 11:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/31/09 11:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/31/09 11:10	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/31/09 11:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		07/31/09 11:10	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/31/09 11:10	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/31/09 11:10	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/31/09 11:10	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/31/09 11:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/31/09 11:10	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/31/09 11:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/31/09 11:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/31/09 11:10	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/31/09 11:10	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/31/09 11:10	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/31/09 11:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/31/09 11:10	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/31/09 11:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/31/09 11:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/31/09 11:10	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/31/09 11:10	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/31/09 11:10	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/31/09 11:10	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/31/09 11:10	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		07/31/09 11:10	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		07/31/09 11:10	460-00-4	
Dibromofluoromethane (S)	103	%	85-115		1		07/31/09 11:10	1868-53-7	

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ANALYTICAL RESULTS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

Sample: MW-11 **Lab ID: 9249441003** Collected: 07/23/09 13:00 Received: 07/24/09 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2-Dichloroethane-d4 (S)	110	%	79-120		1		07/31/09 11:10	17060-07-0	
Toluene-d8 (S)	102	%	70-120		1		07/31/09 11:10	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	mg/L	0.10	0.10	1		07/28/09 15:32		
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		07/30/09 12:04	57-12-5	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

QC Batch: MERP/2291 — Analysis Method: EPA 7470
QC Batch Method: EPA 7470 — Analysis Description: 7470 Mercury
Associated Lab Samples: 9249441001, 9249441002, 9249441003

METHOD BLANK: 313901 — Matrix: Water
Associated Lab Samples: 9249441001, 9249441002, 9249441003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	07/29/09 11:10	

LABORATORY CONTROL SAMPLE: 313902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	98	80-120	

MATRIX SPIKE SAMPLE: 313903

Parameter	Units	9249227015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.5	101	75-125	

SAMPLE DUPLICATE: 313904

Parameter	Units	9249227016 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

QC Batch: OEXT/7565 | Analysis Method: EPA 8270
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water MSSV
Associated Lab Samples: 9249441002

METHOD BLANK: 316115 | Matrix: Water
Associated Lab Samples: 9249441002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	08/03/09 19:30	
1,2-Dichlorobenzene	ug/L	ND	10.0	08/03/09 19:30	
1,2-Diphenylhydrazine	ug/L	ND	10.0	08/03/09 19:30	
1,3-Dichlorobenzene	ug/L	ND	10.0	08/03/09 19:30	
1,4-Dichlorobenzene	ug/L	ND	10.0	08/03/09 19:30	
1-Methylnaphthalene	ug/L	ND	10.0	08/03/09 19:30	
2,4,5-Trichlorophenol	ug/L	ND	10.0	08/03/09 19:30	
2,4,6-Trichlorophenol	ug/L	ND	10.0	08/03/09 19:30	
2,4-Dichlorophenol	ug/L	ND	10.0	08/03/09 19:30	
2,4-Dimethylphenol	ug/L	ND	10.0	08/03/09 19:30	
2,4-Dinitrophenol	ug/L	ND	50.0	08/03/09 19:30	
2,4-Dinitrotoluene	ug/L	ND	10.0	08/03/09 19:30	
2,6-Dinitrotoluene	ug/L	ND	10.0	08/03/09 19:30	
2-Chloronaphthalene	ug/L	ND	10.0	08/03/09 19:30	
2-Chlorophenol	ug/L	ND	10.0	08/03/09 19:30	
2-Methylnaphthalene	ug/L	ND	10.0	08/03/09 19:30	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	08/03/09 19:30	
2-Nitroaniline	ug/L	ND	50.0	08/03/09 19:30	
2-Nitrophenol	ug/L	ND	10.0	08/03/09 19:30	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	08/03/09 19:30	
3,3'-Dichlorobenzidine	ug/L	ND	50.0	08/03/09 19:30	
3-Nitroaniline	ug/L	ND	50.0	08/03/09 19:30	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	08/03/09 19:30	
4-Bromophenylphenyl ether	ug/L	ND	10.0	08/03/09 19:30	
4-Chloro-3-methylphenol	ug/L	ND	20.0	08/03/09 19:30	
4-Chloroaniline	ug/L	ND	50.0	08/03/09 19:30	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	08/03/09 19:30	
4-Nitroaniline	ug/L	ND	50.0	08/03/09 19:30	
4-Nitrophenol	ug/L	ND	50.0	08/03/09 19:30	
Acenaphthene	ug/L	ND	10.0	08/03/09 19:30	
Acenaphthylene	ug/L	ND	10.0	08/03/09 19:30	
Aniline	ug/L	ND	10.0	08/03/09 19:30	
Anthracene	ug/L	ND	10.0	08/03/09 19:30	
Benzo(a)anthracene	ug/L	ND	10.0	08/03/09 19:30	
Benzo(a)pyrene	ug/L	ND	10.0	08/03/09 19:30	
Benzo(b)fluoranthene	ug/L	ND	10.0	08/03/09 19:30	
Benzo(g,h,i)perylene	ug/L	ND	10.0	08/03/09 19:30	
Benzo(k)fluoranthene	ug/L	ND	10.0	08/03/09 19:30	
Benzoic Acid	ug/L	ND	50.0	08/03/09 19:30	
Benzyl alcohol	ug/L	ND	20.0	08/03/09 19:30	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	08/03/09 19:30	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	08/03/09 19:30	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	08/03/09 19:30	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

METHOD BLANK: 316115 Matrix: Water

Associated Lab Samples: 9249441002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	08/03/09 19:30	
Butylbenzylphthalate	ug/L	ND	10.0	08/03/09 19:30	
Chrysene	ug/L	ND	10.0	08/03/09 19:30	
Di-n-butylphthalate	ug/L	ND	10.0	08/03/09 19:30	
Di-n-octylphthalate	ug/L	ND	10.0	08/03/09 19:30	
Dibenz(a,h)anthracene	ug/L	ND	10.0	08/03/09 19:30	
Dibenzofuran	ug/L	ND	10.0	08/03/09 19:30	
Diethylphthalate	ug/L	ND	10.0	08/03/09 19:30	
Dimethylphthalate	ug/L	ND	10.0	08/03/09 19:30	
Fluoranthene	ug/L	ND	10.0	08/03/09 19:30	
Fluorene	ug/L	ND	10.0	08/03/09 19:30	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	08/03/09 19:30	
Hexachlorobenzene	ug/L	ND	10.0	08/03/09 19:30	
Hexachlorocyclopentadiene	ug/L	ND	10.0	08/03/09 19:30	
Hexachloroethane	ug/L	ND	10.0	08/03/09 19:30	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	08/03/09 19:30	
Isophorone	ug/L	ND	10.0	08/03/09 19:30	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	08/03/09 19:30	
N-Nitrosodimethylamine	ug/L	ND	10.0	08/03/09 19:30	
N-Nitrosodiphenylamine	ug/L	ND	10.0	08/03/09 19:30	
Naphthalene	ug/L	ND	10.0	08/03/09 19:30	
Nitrobenzene	ug/L	ND	10.0	08/03/09 19:30	
Pentachlorophenol	ug/L	ND	50.0	08/03/09 19:30	
Phenanthrene	ug/L	ND	10.0	08/03/09 19:30	
Phenol	ug/L	ND	10.0	08/03/09 19:30	
Pyrene	ug/L	ND	10.0	08/03/09 19:30	
2,4,6-Tribromophenol (S)	%	56	25-150	08/03/09 19:30	
2-Fluorobiphenyl (S)	%	56	30-150	08/03/09 19:30	
2-Fluorophenol (S)	%	40	25-150	08/03/09 19:30	
Nitrobenzene-d5 (S)	%	48	30-150	08/03/09 19:30	
Phenol-d6 (S)	%	29	25-150	08/03/09 19:30	
Terphenyl-d14 (S)	%	73	30-150	08/03/09 19:30	

LABORATORY CONTROL SAMPLE: 316116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	24.8	50	19-120	
1,2-Dichlorobenzene	ug/L	50	24.3	49	19-120	
1,2-Diphenylhydrazine	ug/L	50	44.1	88	50-150	
1,3-Dichlorobenzene	ug/L	50	22.1	44	15-120	
1,4-Dichlorobenzene	ug/L	50	25.1	50	15-120	
1-Methylnaphthalene	ug/L	50	37.9	76	21-120	
2,4,5-Trichlorophenol	ug/L	50	37.2	74	23-113	
2,4,6-Trichlorophenol	ug/L	50	38.1	76	21-113	
2,4-Dichlorophenol	ug/L	50	31.5	63	12-127	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

LABORATORY CONTROL SAMPLE: 316116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/L	50	34.3	69	24-120	
2,4-Dinitrophenol	ug/L	50	41.6J	83	10-127	
2,4-Dinitrotoluene	ug/L	50	37.0	74	36-115	
2,6-Dinitrotoluene	ug/L	50	35.1	70	37-114	
2-Chloronaphthalene	ug/L	50	39.9	80	36-101	
2-Chlorophenol	ug/L	50	28.1	56	24-120	
2-Methylnaphthalene	ug/L	50	28.0	56	19-120	
2-Methylphenol(o-Cresol)	ug/L	50	28.2	56	25-120	
2-Nitroaniline	ug/L	50	40.0J	80	30-109	
2-Nitrophenol	ug/L	50	30.7	61	24-120	
3&4-Methylphenol(m&p Cresol)	ug/L	50	25.2	50	24-120	
3,3'-Dichlorobenzidine	ug/L	50	51.3	103	14-120	
3-Nitroaniline	ug/L	50	49.7J	99	23-133	
4,6-Dinitro-2-methylphenol	ug/L	50	33.0	66	10-128	
4-Bromophenylphenyl ether	ug/L	50	43.8	88	35-113	
4-Chloro-3-methylphenol	ug/L	50	34.6	69	32-107	
4-Chloroaniline	ug/L	50	45.0J	90	12-150	
4-Chlorophenylphenyl ether	ug/L	50	43.3	87	36-110	
4-Nitroaniline	ug/L	50	42.4J	85	12-150	
4-Nitrophenol	ug/L	50	18.7J	37	10-120	
Acenaphthene	ug/L	50	39.6	79	27-102	
Acenaphthylene	ug/L	50	38.8	78	25-105	
Aniline	ug/L	50	24.5	49	10-150	
Anthracene	ug/L	50	40.8	82	30-113	
Benzo(a)anthracene	ug/L	50	36.0	72	27-113	
Benzo(a)pyrene	ug/L	50	38.0	76	27-119	
Benzo(b)fluoranthene	ug/L	50	38.5	77	22-114	
Benzo(g,h,i)perylene	ug/L	50	40.7	81	10-129	
Benzo(k)fluoranthene	ug/L	50	30.6	61	24-111	
Benzoic Acid	ug/L	50	ND	26	24-120	
Benzyl alcohol	ug/L	50	25.9	52	24-120	
bis(2-Chloroethoxy)methane	ug/L	50	40.0	80	32-120	
bis(2-Chloroethyl) ether	ug/L	50	35.0	70	29-120	
bis(2-Chloroisopropyl) ether	ug/L	50	38.2	76	22-120	
bis(2-Ethylhexyl)phthalate	ug/L	50	42.1	84	29-125	
Butylbenzylphthalate	ug/L	50	41.7	83	33-120	
Chrysene	ug/L	50	40.0	80	23-112	
Di-n-butylphthalate	ug/L	50	42.0	84	38-116	
Di-n-octylphthalate	ug/L	50	40.3	81	32-122	
Dibenz(a,h)anthracene	ug/L	50	38.4	77	10-129	
Dibenzofuran	ug/L	50	37.0	74	37-107	
Diethylphthalate	ug/L	50	39.4	79	40-111	
Dimethylphthalate	ug/L	50	36.8	74	39-108	
Fluoranthene	ug/L	50	38.7	77	27-112	
Fluorene	ug/L	50	38.6	77	29-107	
Hexachloro-1,3-butadiene	ug/L	50	25.2	50	10-113	
Hexachlorobenzene	ug/L	50	34.6	69	29-119	
Hexachlorocyclopentadiene	ug/L	50	27.0	54	10-113	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

LABORATORY CONTROL SAMPLE: 316116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/L	50	23.5	47	10-120	
Indeno(1,2,3-cd)pyrene	ug/L	50	39.7	79	14-123	
Isophorone	ug/L	50	36.6	73	23-150	
N-Nitroso-di-n-propylamine	ug/L	50	34.3	69	31-104	
N-Nitrosodimethylamine	ug/L	50	21.7	43	10-120	
N-Nitrosodiphenylamine	ug/L	50	41.6	83	27-139	
Naphthalene	ug/L	50	31.7	63	17-120	
Nitrobenzene	ug/L	50	31.1	62	27-120	
Pentachlorophenol	ug/L	50	25.6J	51	10-135	
Phenanthrene	ug/L	50	39.8	80	28-111	
Phenol	ug/L	50	14.3	29	10-120	
Pyrene	ug/L	50	37.2	74	27-113	
2,4,6-Tribromophenol (S)	%			61	25-150	
2-Fluorobiphenyl (S)	%			64	30-150	
2-Fluorophenol (S)	%			35	25-150	
Nitrobenzene-d5 (S)	%			64	30-150	
Phenol-d6 (S)	%			28	25-150	
Terphenyl-d14 (S)	%			67	30-150	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

QC Batch: OEXT/7561 — Analysis Method: EPA 8082
QC Batch Method: EPA 3535 — Analysis Description: 8082 GCS PCB
Associated Lab Samples: 9249441002

METHOD BLANK: 315999 — Matrix: Water
Associated Lab Samples: 9249441002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.50	08/05/09 14:43	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.50	08/05/09 14:43	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.50	08/05/09 14:43	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.50	08/05/09 14:43	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.50	08/05/09 14:43	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.50	08/05/09 14:43	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.50	08/05/09 14:43	
Decachlorobiphenyl (S)	%	78	10-132	08/05/09 14:43	

LABORATORY CONTROL SAMPLE: 316000

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	3.2	63	38-113	
PCB-1260 (Aroclor 1260)	ug/L	5	3.8	76	35-120	
Decachlorobiphenyl (S)	%			84	10-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 316001 316002

Parameter	Units	9249441002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	ND	5	5	2.6	2.7	53	55	19-142	4	30	
PCB-1260 (Aroclor 1260)	ug/L	ND	5	5	3.1	3.1	63	62	19-142	.9	30	
Decachlorobiphenyl (S)	%						64	62	10-132			

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

QC Batch: OEXT/7524
QC Batch Method: EPA 3535
Analysis Method: EPA 8081
Analysis Description: 8081A GCS Pesticides
Associated Lab Samples: 9249441001, 9249441003

METHOD BLANK: 314206
Matrix: Water
Associated Lab Samples: 9249441001, 9249441003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.050	08/05/09 13:58	
4,4'-DDE	ug/L	ND	0.050	08/05/09 13:58	
4,4'-DDT	ug/L	ND	0.050	08/05/09 13:58	
Aldrin	ug/L	ND	0.050	08/05/09 13:58	
alpha-BHC	ug/L	ND	0.050	08/05/09 13:58	
beta-BHC	ug/L	ND	0.050	08/05/09 13:58	
Chlordane (Technical)	ug/L	ND	0.50	08/05/09 13:58	
delta-BHC	ug/L	ND	0.050	08/05/09 13:58	
Dieldrin	ug/L	ND	0.050	08/05/09 13:58	
Endosulfan I	ug/L	ND	0.050	08/05/09 13:58	
Endosulfan II	ug/L	ND	0.050	08/05/09 13:58	
Endosulfan sulfate	ug/L	ND	0.050	08/05/09 13:58	
Endrin	ug/L	ND	0.050	08/05/09 13:58	
Endrin aldehyde	ug/L	ND	0.050	08/05/09 13:58	
Endrin ketone	ug/L	ND	0.050	08/05/09 13:58	
gamma-BHC (Lindane)	ug/L	ND	0.050	08/05/09 13:58	
Heptachlor	ug/L	ND	0.050	08/05/09 13:58	
Heptachlor epoxide	ug/L	ND	0.050	08/05/09 13:58	
Methoxychlor	ug/L	ND	0.50	08/05/09 13:58	
Mirex	ug/L	ND	0.50	08/05/09 13:58	
Toxaphene	ug/L	ND	0.50	08/05/09 13:58	
Decachlorobiphenyl (S)	%	61	20-138	08/05/09 13:58	
Tetrachloro-m-xylene (S)	%	57	20-110	08/05/09 13:58	

LABORATORY CONTROL SAMPLE: 314207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.08	0.056	71	20-150	
4,4'-DDE	ug/L	.08	ND	61	20-139	
4,4'-DDT	ug/L	.08	0.057	71	20-150	
Aldrin	ug/L	.08	0.060	76	22-107	
alpha-BHC	ug/L	.08	0.064	81	20-125	
beta-BHC	ug/L	.08	0.074	93	20-137	
delta-BHC	ug/L	.08	0.086	108	20-144	
Dieldrin	ug/L	.08	0.070	88	20-134	
Endosulfan I	ug/L	.08	0.080	100	20-148	
Endosulfan II	ug/L	.08	0.080	100	28-133	
Endosulfan sulfate	ug/L	.08	ND	59	20-143	
Endrin	ug/L	.08	0.070	87	20-134	
Endrin aldehyde	ug/L	.08	0.089	111	20-150	
Endrin ketone	ug/L	.08	ND	59	20-150	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

LABORATORY CONTROL SAMPLE: 314207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
gamma-BHC (Lindane)	ug/L	.08	0.081	101	20-118	
Heptachlor	ug/L	.08	0.065	81	20-142	
Heptachlor epoxide	ug/L	.08	0.076	96	22-133	
Methoxychlor	ug/L	.28	ND	69	44-150	
Mirex	ug/L	.2	ND	43	20-121	
Decachlorobiphenyl (S)	%			60	20-138	
Tetrachloro-m-xylene (S)	%			53	20-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 314208 314209

Parameter	Units	9249443004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDT	ug/L	ND	.08	.08	0.078	0.088	98	111	20-180	13	30	
Aldrin	ug/L	ND	.08	.08	0.056	0.068	69	84	22-109	20	30	
Dieldrin	ug/L	ND	.08	.08	0.090	0.082	112	102	20-140	9	30	
Endrin	ug/L	ND	.08	.08	0.080	0.084	101	105	21-133	4	30	
gamma-BHC (Lindane)	ug/L	ND	.08	.08	0.082	0.078	103	98	24-119	5	30	
Heptachlor	ug/L	ND	.08	.08	0.076	0.086	94	107	20-128	12	30	
Decachlorobiphenyl (S)	%						75	99	20-138			
Tetrachloro-m-xylene (S)	%						85	89	20-110			

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

QC Batch: OEXT/7560
QC Batch Method: EPA 3535
Analysis Method: EPA 8081
Analysis Description: 8081A GCS Pesticides
Associated Lab Samples: 9249441002

METHOD BLANK: 315995
Matrix: Water
Associated Lab Samples: 9249441002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.050	08/05/09 14:43	
4,4'-DDE	ug/L	ND	0.050	08/05/09 14:43	
4,4'-DDT	ug/L	ND	0.050	08/05/09 14:43	
Aldrin	ug/L	ND	0.050	08/05/09 14:43	
alpha-BHC	ug/L	ND	0.050	08/05/09 14:43	
beta-BHC	ug/L	ND	0.050	08/05/09 14:43	
Chlordane (Technical)	ug/L	ND	0.50	08/05/09 14:43	
delta-BHC	ug/L	ND	0.050	08/05/09 14:43	
Dieldrin	ug/L	ND	0.050	08/05/09 14:43	
Endosulfan I	ug/L	ND	0.050	08/05/09 14:43	
Endosulfan II	ug/L	ND	0.050	08/05/09 14:43	
Endosulfan sulfate	ug/L	ND	0.050	08/05/09 14:43	
Endrin	ug/L	ND	0.050	08/05/09 14:43	
Endrin aldehyde	ug/L	ND	0.050	08/05/09 14:43	
Endrin ketone	ug/L	ND	0.050	08/05/09 14:43	
gamma-BHC (Lindane)	ug/L	ND	0.050	08/05/09 14:43	
Heptachlor	ug/L	ND	0.050	08/05/09 14:43	
Heptachlor epoxide	ug/L	ND	0.050	08/05/09 14:43	
Methoxychlor	ug/L	ND	0.50	08/05/09 14:43	
Mirex	ug/L	ND	0.50	08/05/09 14:43	
Toxaphene	ug/L	ND	0.50	08/05/09 14:43	
Decachlorobiphenyl (S)	%	78	20-138	08/05/09 14:43	
Tetrachloro-m-xylene (S)	%	72	20-110	08/05/09 14:43	

LABORATORY CONTROL SAMPLE: 315996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.08	ND	51	20-150	
4,4'-DDE	ug/L	.08	0.052	66	20-139	
4,4'-DDT	ug/L	.08	ND	54	20-150	
Aldrin	ug/L	.08	ND	49	22-107	
alpha-BHC	ug/L	.08	ND	47	20-125	
beta-BHC	ug/L	.08	ND	48	20-137	
delta-BHC	ug/L	.08	ND	59	20-144	
Dieldrin	ug/L	.08	ND	53	20-134	
Endosulfan I	ug/L	.08	ND	56	20-148	
Endosulfan II	ug/L	.08	0.050	62	28-133	
Endosulfan sulfate	ug/L	.08	ND	45	20-143	
Endrin	ug/L	.08	ND	58	20-134	
Endrin aldehyde	ug/L	.08	0.066	82	20-150	
Endrin ketone	ug/L	.08	ND	45	20-150	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

LABORATORY CONTROL SAMPLE: 315996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
gamma-BHC (Lindane)	ug/L	.08	ND	48	20-118	
Heptachlor	ug/L	.08	0.051	64	20-142	
Heptachlor epoxide	ug/L	.08	ND	60	22-133	
Methoxychlor	ug/L	.28	ND	60	44-150	
Mirex	ug/L	.2	ND	103	20-121	
Decachlorobiphenyl (S)	%			48	20-138	
Tetrachloro-m-xylene (S)	%			41	20-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 315997 315998

Parameter	Units	9249441002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDT	ug/L	ND	.08	.08	0.064	0.074	81	92	20-180	14	30	
Aldrin	ug/L	ND	.08	.08	ND	0.064	60	79	22-109		30	
Dieldrin	ug/L	ND	.08	.08	0.062	0.076	78	94	20-140	20	30	
Endrin	ug/L	ND	.08	.08	0.072	0.083	89	104	21-133	15	30	
gamma-BHC (Lindane)	ug/L	ND	.08	.08	0.056	0.060	70	76	24-119	8	30	
Heptachlor	ug/L	ND	.08	.08	0.061	0.069	76	86	20-128	12	30	
Decachlorobiphenyl (S)	%						65	79	20-138			
Tetrachloro-m-xylene (S)	%						50	56	20-110			

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

QC Batch: WET/9171 — Analysis Method: SM 4500-S2D
QC Batch Method: SM 4500-S2D — Analysis Description: 4500S2D Sulfide Water
Associated Lab Samples: 9249441001, 9249441002, 9249441003

METHOD BLANK: 314180 — Matrix: Water
Associated Lab Samples: 9249441001, 9249441002, 9249441003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	07/28/09 15:32	

LABORATORY CONTROL SAMPLE: 314181

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	0.53	106	90-110	

MATRIX SPIKE SAMPLE: 314182

Parameter	Units	9249227009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	.5	0.51	98	75-125	

SAMPLE DUPLICATE: 314183

Parameter	Units	9249227010 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

QC Batch: OEXT/7542 | Analysis Method: EPA 8270
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water MSSV
Associated Lab Samples: 9249441001, 9249441003

METHOD BLANK: 315402 | Matrix: Water
Associated Lab Samples: 9249441001, 9249441003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	08/03/09 17:22	
1,2-Dichlorobenzene	ug/L	ND	10.0	08/03/09 17:22	
1,2-Diphenylhydrazine	ug/L	ND	10.0	08/03/09 17:22	
1,3-Dichlorobenzene	ug/L	ND	10.0	08/03/09 17:22	
1,4-Dichlorobenzene	ug/L	ND	10.0	08/03/09 17:22	
1-Methylnaphthalene	ug/L	ND	10.0	08/03/09 17:22	
2,4,5-Trichlorophenol	ug/L	ND	10.0	08/03/09 17:22	
2,4,6-Trichlorophenol	ug/L	ND	10.0	08/03/09 17:22	
2,4-Dichlorophenol	ug/L	ND	10.0	08/03/09 17:22	
2,4-Dimethylphenol	ug/L	ND	10.0	08/03/09 17:22	
2,4-Dinitrophenol	ug/L	ND	50.0	08/03/09 17:22	
2,4-Dinitrotoluene	ug/L	ND	10.0	08/03/09 17:22	
2,6-Dinitrotoluene	ug/L	ND	10.0	08/03/09 17:22	
2-Chloronaphthalene	ug/L	ND	10.0	08/03/09 17:22	
2-Chlorophenol	ug/L	ND	10.0	08/03/09 17:22	
2-Methylnaphthalene	ug/L	ND	10.0	08/03/09 17:22	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	08/03/09 17:22	
2-Nitroaniline	ug/L	ND	50.0	08/03/09 17:22	
2-Nitrophenol	ug/L	ND	10.0	08/03/09 17:22	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	08/03/09 17:22	
3,3'-Dichlorobenzidine	ug/L	ND	50.0	08/03/09 17:22	
3-Nitroaniline	ug/L	ND	50.0	08/03/09 17:22	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	08/03/09 17:22	
4-Bromophenylphenyl ether	ug/L	ND	10.0	08/03/09 17:22	
4-Chloro-3-methylphenol	ug/L	ND	20.0	08/03/09 17:22	
4-Chloroaniline	ug/L	ND	50.0	08/03/09 17:22	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	08/03/09 17:22	
4-Nitroaniline	ug/L	ND	50.0	08/03/09 17:22	
4-Nitrophenol	ug/L	ND	50.0	08/03/09 17:22	
Acenaphthene	ug/L	ND	10.0	08/03/09 17:22	
Acenaphthylene	ug/L	ND	10.0	08/03/09 17:22	
Aniline	ug/L	ND	10.0	08/03/09 17:22	
Anthracene	ug/L	ND	10.0	08/03/09 17:22	
Benzo(a)anthracene	ug/L	ND	10.0	08/03/09 17:22	
Benzo(a)pyrene	ug/L	ND	10.0	08/03/09 17:22	
Benzo(b)fluoranthene	ug/L	ND	10.0	08/03/09 17:22	
Benzo(g,h,i)perylene	ug/L	ND	10.0	08/03/09 17:22	
Benzo(k)fluoranthene	ug/L	ND	10.0	08/03/09 17:22	
Benzoic Acid	ug/L	ND	50.0	08/03/09 17:22	
Benzyl alcohol	ug/L	ND	20.0	08/03/09 17:22	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	08/03/09 17:22	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	08/03/09 17:22	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	08/03/09 17:22	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

METHOD BLANK: 315402 Matrix: Water

Associated Lab Samples: 9249441001, 9249441003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	08/03/09 17:22	
Butylbenzylphthalate	ug/L	ND	10.0	08/03/09 17:22	
Chrysene	ug/L	ND	10.0	08/03/09 17:22	
Di-n-butylphthalate	ug/L	ND	10.0	08/03/09 17:22	
Di-n-octylphthalate	ug/L	ND	10.0	08/03/09 17:22	
Dibenz(a,h)anthracene	ug/L	ND	10.0	08/03/09 17:22	
Dibenzofuran	ug/L	ND	10.0	08/03/09 17:22	
Diethylphthalate	ug/L	ND	10.0	08/03/09 17:22	
Dimethylphthalate	ug/L	ND	10.0	08/03/09 17:22	
Fluoranthene	ug/L	ND	10.0	08/03/09 17:22	
Fluorene	ug/L	ND	10.0	08/03/09 17:22	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	08/03/09 17:22	
Hexachlorobenzene	ug/L	ND	10.0	08/03/09 17:22	
Hexachlorocyclopentadiene	ug/L	ND	10.0	08/03/09 17:22	
Hexachloroethane	ug/L	ND	10.0	08/03/09 17:22	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	08/03/09 17:22	
Isophorone	ug/L	ND	10.0	08/03/09 17:22	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	08/03/09 17:22	
N-Nitrosodimethylamine	ug/L	ND	10.0	08/03/09 17:22	
N-Nitrosodiphenylamine	ug/L	ND	10.0	08/03/09 17:22	
Naphthalene	ug/L	ND	10.0	08/03/09 17:22	
Nitrobenzene	ug/L	ND	10.0	08/03/09 17:22	
Pentachlorophenol	ug/L	ND	50.0	08/03/09 17:22	
Phenanthrene	ug/L	ND	10.0	08/03/09 17:22	
Phenol	ug/L	ND	10.0	08/03/09 17:22	
Pyrene	ug/L	ND	10.0	08/03/09 17:22	
2,4,6-Tribromophenol (S)	%	60	25-150	08/03/09 17:22	
2-Fluorobiphenyl (S)	%	58	30-150	08/03/09 17:22	
2-Fluorophenol (S)	%	30	25-150	08/03/09 17:22	
Nitrobenzene-d5 (S)	%	46	30-150	08/03/09 17:22	
Phenol-d6 (S)	%	26	25-150	08/03/09 17:22	
Terphenyl-d14 (S)	%	62	30-150	08/03/09 17:22	

LABORATORY CONTROL SAMPLE: 315403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	31.4	63	19-120	
1,2-Dichlorobenzene	ug/L	50	32.9	66	19-120	
1,2-Diphenylhydrazine	ug/L	50	33.2	66	50-150	
1,3-Dichlorobenzene	ug/L	50	29.9	60	15-120	
1,4-Dichlorobenzene	ug/L	50	33.5	67	15-120	
1-Methylnaphthalene	ug/L	50	50.4	101	21-120	
2,4,5-Trichlorophenol	ug/L	50	41.2	82	23-113	
2,4,6-Trichlorophenol	ug/L	50	38.2	76	21-113	
2,4-Dichlorophenol	ug/L	50	34.5	69	12-127	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

LABORATORY CONTROL SAMPLE: 315403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/L	50	32.7	65	24-120	
2,4-Dinitrophenol	ug/L	50	26.2J	52	10-127	
2,4-Dinitrotoluene	ug/L	50	41.4	83	36-115	
2,6-Dinitrotoluene	ug/L	50	40.4	81	37-114	
2-Chloronaphthalene	ug/L	50	38.3	77	36-101	
2-Chlorophenol	ug/L	50	32.2	64	24-120	
2-Methylnaphthalene	ug/L	50	31.7	63	19-120	
2-Methylphenol(o-Cresol)	ug/L	50	30.0	60	25-120	
2-Nitroaniline	ug/L	50	45.0J	90	30-109	
2-Nitrophenol	ug/L	50	36.4	73	24-120	
3&4-Methylphenol(m&p Cresol)	ug/L	50	26.6	53	24-120	
3,3'-Dichlorobenzidine	ug/L	50	46.5J	93	14-120	
3-Nitroaniline	ug/L	50	51.9	104	23-133	
4,6-Dinitro-2-methylphenol	ug/L	50	36.6	73	10-128	
4-Bromophenylphenyl ether	ug/L	50	48.0	96	35-113	
4-Chloro-3-methylphenol	ug/L	50	39.1	78	32-107	
4-Chloroaniline	ug/L	50	40.0J	80	12-150	
4-Chlorophenylphenyl ether	ug/L	50	49.8	100	36-110	
4-Nitroaniline	ug/L	50	41.0J	82	12-150	
4-Nitrophenol	ug/L	50	20.7J	41	10-120	
Acenaphthene	ug/L	50	43.7	87	27-102	
Acenaphthylene	ug/L	50	44.0	88	25-105	
Aniline	ug/L	50	21.8	44	10-150	
Anthracene	ug/L	50	45.1	90	30-113	
Benzo(a)anthracene	ug/L	50	41.7	83	27-113	
Benzo(a)pyrene	ug/L	50	41.2	82	27-119	
Benzo(b)fluoranthene	ug/L	50	37.3	75	22-114	
Benzo(g,h,i)perylene	ug/L	50	47.6	95	10-129	
Benzo(k)fluoranthene	ug/L	50	38.9	78	24-111	
Benzoic Acid	ug/L	50	ND	3	24-120	L0
Benzyl alcohol	ug/L	50	28.3	57	24-120	
bis(2-Chloroethoxy)methane	ug/L	50	44.7	89	32-120	
bis(2-Chloroethyl) ether	ug/L	50	41.9	84	29-120	
bis(2-Chloroisopropyl) ether	ug/L	50	45.4	91	22-120	
bis(2-Ethylhexyl)phthalate	ug/L	50	48.6	97	29-125	
Butylbenzylphthalate	ug/L	50	46.0	92	33-120	
Chrysene	ug/L	50	40.4	81	23-112	
Di-n-butylphthalate	ug/L	50	46.7	93	38-116	
Di-n-octylphthalate	ug/L	50	45.7	91	32-122	
Dibenz(a,h)anthracene	ug/L	50	43.0	86	10-129	
Dibenzofuran	ug/L	50	42.0	84	37-107	
Diethylphthalate	ug/L	50	41.4	83	40-111	
Dimethylphthalate	ug/L	50	42.1	84	39-108	
Fluoranthene	ug/L	50	44.3	89	27-112	
Fluorene	ug/L	50	45.6	91	29-107	
Hexachloro-1,3-butadiene	ug/L	50	33.0	66	10-113	
Hexachlorobenzene	ug/L	50	40.4	81	29-119	
Hexachlorocyclopentadiene	ug/L	50	29.1	58	10-113	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

LABORATORY CONTROL SAMPLE: 315403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/L	50	33.1	66	10-120	
Indeno(1,2,3-cd)pyrene	ug/L	50	45.1	90	14-123	
Isophorone	ug/L	50	39.5	79	23-150	
N-Nitroso-di-n-propylamine	ug/L	50	36.6	73	31-104	
N-Nitrosodimethylamine	ug/L	50	22.4	45	10-120	
N-Nitrosodiphenylamine	ug/L	50	50.5	101	27-139	
Naphthalene	ug/L	50	38.1	76	17-120	
Nitrobenzene	ug/L	50	46.4	93	27-120	
Pentachlorophenol	ug/L	50	25.0J	50	10-135	
Phenanthrene	ug/L	50	48.0	96	28-111	
Phenol	ug/L	50	14.8	30	10-120	
Pyrene	ug/L	50	42.5	85	27-113	
2,4,6-Tribromophenol (S)	%			76	25-150	
2-Fluorobiphenyl (S)	%			72	30-150	
2-Fluorophenol (S)	%			41	25-150	
Nitrobenzene-d5 (S)	%			77	30-150	
Phenol-d6 (S)	%			33	25-150	
Terphenyl-d14 (S)	%			76	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 315404 315405

Parameter	Units	9249441001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/L	ND	116	116	44.1	63.4	38	54	13-120	36	30	R1
1,4-Dichlorobenzene	ug/L	ND	116	116	38.7	61.5	33	53	19-120	46	30	R1
2,4-Dinitrotoluene	ug/L	ND	116	116	64.6	84.8	56	73	41-109	27	30	
2-Chlorophenol	ug/L	ND	116	116	44.5	63.7	38	55	33-120	35	30	R1
4-Chloro-3-methylphenol	ug/L	ND	116	116	69.6	94.2	60	81	30-108	30	30	
4-Nitrophenol	ug/L	ND	116	116	40.8J	56.1J	35	48	10-120		30	
Acenaphthene	ug/L	ND	116	116	72.0	96.5	62	83	27-101	29	30	
N-Nitroso-di-n-propylamine	ug/L	ND	116	116	63.4	85.6	54	74	34-120	30	30	
Pentachlorophenol	ug/L	ND	116	116	54.7J	67.3J	47	58	10-138		30	
Phenol	ug/L	ND	116	116	39.0	51.3	34	44	10-120	27	30	
Pyrene	ug/L	ND	116	116	69.7	91.4	60	79	31-110	27	30	
2,4,6-Tribromophenol (S)	%						54	67	25-150			
2-Fluorobiphenyl (S)	%						51	69	30-150			
2-Fluorophenol (S)	%						29	42	25-150			
Nitrobenzene-d5 (S)	%						48	68	30-150			
Phenol-d6 (S)	%						35	47	25-150			
Terphenyl-d14 (S)	%						55	72	30-150			

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

QC Batch: OEXT/7525 — Analysis Method: EPA 8082
QC Batch Method: EPA 3535 — Analysis Description: 8082 GCS PCB
Associated Lab Samples: 9249441001, 9249441003

METHOD BLANK: 314210 — Matrix: Water
Associated Lab Samples: 9249441001, 9249441003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.50	08/05/09 13:58	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.50	08/05/09 13:58	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.50	08/05/09 13:58	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.50	08/05/09 13:58	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.50	08/05/09 13:58	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.50	08/05/09 13:58	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.50	08/05/09 13:58	
Decachlorobiphenyl (S)	%	61	10-132	08/05/09 13:58	

LABORATORY CONTROL SAMPLE: 314211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.1	82	38-113	
PCB-1260 (Aroclor 1260)	ug/L	5	3.5	70	35-120	
Decachlorobiphenyl (S)	%			67	10-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 314212 314213

Parameter	Units	9249443004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	ND	5	5	3.1	3.0	62	60	19-142	4	30	
PCB-1260 (Aroclor 1260)	ug/L	ND	5	5	3.4	3.4	68	69	19-142	2	30	
Decachlorobiphenyl (S)	%						64	59	10-132			

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

QC Batch: WETA/5570 | Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E | Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 9249441001, 9249441002, 9249441003

METHOD BLANK: 315312 | Matrix: Water
Associated Lab Samples: 9249441001, 9249441002, 9249441003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	07/30/09 11:55	

LABORATORY CONTROL SAMPLE: 315313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.096	96	80-120	

MATRIX SPIKE SAMPLE: 315314

Parameter	Units	9249227019 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	ND	.1	0.022	22	75-125	M0

SAMPLE DUPLICATE: 315315

Parameter	Units	9249227020 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

QC Batch: MPRP/4834 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9249441001, 9249441002, 9249441003

METHOD BLANK: 315144 Matrix: Water
Associated Lab Samples: 9249441001, 9249441002, 9249441003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	07/31/09 21:24	
Arsenic	ug/L	ND	10.0	07/31/09 21:24	
Barium	ug/L	ND	100	07/31/09 21:24	
Beryllium	ug/L	ND	1.0	07/31/09 21:24	
Cadmium	ug/L	ND	1.0	07/31/09 21:24	
Chromium	ug/L	ND	10.0	07/31/09 21:24	
Cobalt	ug/L	ND	10.0	07/31/09 21:24	
Copper	ug/L	ND	10.0	07/31/09 21:24	
Lead	ug/L	ND	10.0	07/31/09 21:24	
Nickel	ug/L	ND	50.0	07/31/09 21:24	
Selenium	ug/L	ND	10.0	07/31/09 21:24	
Silver	ug/L	0.32J	10.0	07/31/09 21:24	
Thallium	ug/L	ND	5.5	07/31/09 21:24	
Vanadium	ug/L	ND	25.0	07/31/09 21:24	
Zinc	ug/L	4.6J	10.0	07/31/09 21:24	

LABORATORY CONTROL SAMPLE: 315145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	515	103	80-120	
Arsenic	ug/L	500	506	101	80-120	
Barium	ug/L	500	522	104	80-120	
Beryllium	ug/L	500	534	107	80-120	
Cadmium	ug/L	500	501	100	80-120	
Chromium	ug/L	500	522	104	80-120	
Cobalt	ug/L	500	516	103	80-120	
Copper	ug/L	500	519	104	80-120	
Lead	ug/L	500	503	101	80-120	
Nickel	ug/L	500	509	102	80-120	
Selenium	ug/L	500	514	103	80-120	
Silver	ug/L	250	256	102	80-120	
Thallium	ug/L	500	483	97	80-120	
Vanadium	ug/L	500	517	103	80-120	
Zinc	ug/L	500	511	102	80-120	

MATRIX SPIKE SAMPLE: 315146

Parameter	Units	9249402001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	515	103	75-125	
Arsenic	ug/L	ND	500	505	101	75-125	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

MATRIX SPIKE SAMPLE: 315146

Parameter	Units	9249402001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	22.2J	500	540	104	75-125	
Beryllium	ug/L	ND	500	527	105	75-125	
Cadmium	ug/L	ND	500	491	98	75-125	
Chromium	ug/L	ND	500	517	103	75-125	
Cobalt	ug/L	ND	500	507	101	75-125	
Copper	ug/L	ND	500	520	104	75-125	
Lead	ug/L	ND	500	494	99	75-125	
Nickel	ug/L	ND	500	499	100	75-125	
Selenium	ug/L	ND	500	506	101	75-125	
Silver	ug/L	0.39J	250	255	102	75-125	
Thallium	ug/L	ND	500	476	95	75-125	
Vanadium	ug/L	0.41J	500	516	103	75-125	
Zinc	ug/L	3.7J	500	507	101	75-125	

SAMPLE DUPLICATE: 315147

Parameter	Units	9249441001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	ND	ND		25	
Barium	ug/L	44.7J	44.3J	.9	25	
Beryllium	ug/L	ND	ND		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	ND	ND		25	
Cobalt	ug/L	ND	ND		25	
Copper	ug/L	0.98J	2.4J		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	4.6J	4.7J		25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	0.43J	0.37J		25	
Thallium	ug/L	ND	ND		25	
Vanadium	ug/L	0.30J	0.23J		25	
Zinc	ug/L	15.5	20.3	27	25	R1

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

QC Batch: MSV/7813 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9249441001, 9249441002, 9249441003

METHOD BLANK: 316003 Matrix: Water
Associated Lab Samples: 9249441001, 9249441002, 9249441003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	07/31/09 08:57	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/31/09 08:57	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	07/31/09 08:57	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/31/09 08:57	
1,1-Dichloroethane	ug/L	ND	5.0	07/31/09 08:57	
1,1-Dichloroethene	ug/L	ND	5.0	07/31/09 08:57	
1,1-Dichloropropene	ug/L	ND	1.0	07/31/09 08:57	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/31/09 08:57	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	07/31/09 08:57	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/31/09 08:57	
1,2-Dichlorobenzene	ug/L	ND	5.0	07/31/09 08:57	
1,2-Dichloroethane	ug/L	ND	1.0	07/31/09 08:57	
1,2-Dichloropropane	ug/L	ND	1.0	07/31/09 08:57	
1,3-Dichlorobenzene	ug/L	ND	1.0	07/31/09 08:57	
1,3-Dichloropropane	ug/L	ND	1.0	07/31/09 08:57	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/31/09 08:57	
2,2-Dichloropropane	ug/L	ND	1.0	07/31/09 08:57	
2-Butanone (MEK)	ug/L	ND	100	07/31/09 08:57	
2-Hexanone	ug/L	ND	50.0	07/31/09 08:57	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	07/31/09 08:57	
Acetone	ug/L	ND	100	07/31/09 08:57	
Acrolein	ug/L	ND	10.0	07/31/09 08:57	
Acrylonitrile	ug/L	ND	200	07/31/09 08:57	
Allyl chloride	ug/L	ND	2.0	07/31/09 08:57	
Benzene	ug/L	ND	1.0	07/31/09 08:57	
Bromochloromethane	ug/L	ND	3.0	07/31/09 08:57	
Bromodichloromethane	ug/L	ND	1.0	07/31/09 08:57	
Bromoform	ug/L	ND	3.0	07/31/09 08:57	
Bromomethane	ug/L	ND	10.0	07/31/09 08:57	
Carbon disulfide	ug/L	ND	100	07/31/09 08:57	
Carbon tetrachloride	ug/L	ND	1.0	07/31/09 08:57	
Chlorobenzene	ug/L	ND	3.0	07/31/09 08:57	
Chloroethane	ug/L	ND	10.0	07/31/09 08:57	
Chloroform	ug/L	ND	5.0	07/31/09 08:57	
Chloromethane	ug/L	ND	1.0	07/31/09 08:57	
Chloroprene	ug/L	ND	5.0	07/31/09 08:57	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/31/09 08:57	
cis-1,3-Dichloropropene	ug/L	ND	1.0	07/31/09 08:57	
Dibromochloromethane	ug/L	ND	3.0	07/31/09 08:57	
Dibromomethane	ug/L	ND	10.0	07/31/09 08:57	
Ethylbenzene	ug/L	ND	1.0	07/31/09 08:57	
Iodomethane	ug/L	ND	10.0	07/31/09 08:57	
Isobutanol	ug/L	ND	100	07/31/09 08:57	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

METHOD BLANK: 316003 Matrix: Water

Associated Lab Samples: 9249441001, 9249441002, 9249441003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	ND	2.0	07/31/09 08:57	
Methacrylonitrile	ug/L	ND	10.0	07/31/09 08:57	
Methyl methacrylate	ug/L	ND	2.0	07/31/09 08:57	
Methylene Chloride	ug/L	5.3	2.0	07/31/09 08:57	C9
Naphthalene	ug/L	ND	1.0	07/31/09 08:57	
o-Xylene	ug/L	ND	1.0	07/31/09 08:57	
Propionitrile	ug/L	ND	20.0	07/31/09 08:57	
Styrene	ug/L	ND	1.0	07/31/09 08:57	
Tetrachloroethene	ug/L	ND	1.0	07/31/09 08:57	
Toluene	ug/L	ND	1.0	07/31/09 08:57	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/31/09 08:57	
trans-1,3-Dichloropropene	ug/L	ND	1.0	07/31/09 08:57	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	07/31/09 08:57	
Trichloroethene	ug/L	ND	1.0	07/31/09 08:57	
Trichlorofluoromethane	ug/L	ND	1.0	07/31/09 08:57	
Vinyl acetate	ug/L	ND	50.0	07/31/09 08:57	
Vinyl chloride	ug/L	ND	1.0	07/31/09 08:57	
Xylene (Total)	ug/L	ND	5.0	07/31/09 08:57	
1,2-Dichloroethane-d4 (S)	%	107	79-120	07/31/09 08:57	
4-Bromofluorobenzene (S)	%	98	87-109	07/31/09 08:57	
Dibromofluoromethane (S)	%	101	85-115	07/31/09 08:57	
Toluene-d8 (S)	%	101	70-120	07/31/09 08:57	

LABORATORY CONTROL SAMPLE: 316004

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	58.0	116	83-125	
1,1,1-Trichloroethane	ug/L	50	62.0	124	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	52.8	106	73-127	
1,1,2-Trichloroethane	ug/L	50	57.1	114	77-123	
1,1-Dichloroethane	ug/L	50	72.4	145	76-129	L0
1,1-Dichloroethene	ug/L	50	54.3	109	78-146	
1,1-Dichloropropene	ug/L	50	54.5	109	79-134	
1,2,3-Trichloropropane	ug/L	50	56.4	113	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	44.2	88	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	57.2	114	81-125	
1,2-Dichlorobenzene	ug/L	50	56.5	113	82-126	
1,2-Dichloroethane	ug/L	50	58.2	116	72-126	
1,2-Dichloropropane	ug/L	50	58.5	117	80-127	
1,3-Dichlorobenzene	ug/L	50	55.6	111	82-124	
1,3-Dichloropropane	ug/L	50	55.1	110	79-124	
1,4-Dichlorobenzene	ug/L	50	56.3	113	79-125	
2,2-Dichloropropane	ug/L	50	48.6	97	58-140	
2-Butanone (MEK)	ug/L	100	109	109	50-134	
2-Hexanone	ug/L	100	112	112	58-138	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

LABORATORY CONTROL SAMPLE: 316004

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	100	108	108	70-131	
Acetone	ug/L	100	110	110	50-146	
Acrolein	ug/L	250	188	75	55-143	
Acrylonitrile	ug/L	250	271	108	66-124	
Allyl chloride	ug/L	50	45.5	91	73-141	
Benzene	ug/L	50	58.1	116	78-128	
Bromochloromethane	ug/L	50	53.7	107	73-124	
Bromodichloromethane	ug/L	50	54.5	109	81-125	
Bromoform	ug/L	50	48.4	97	71-125	
Bromomethane	ug/L	50	64.2	128	50-150	
Carbon disulfide	ug/L	50	48.4J	97	54-150	
Carbon tetrachloride	ug/L	50	62.3	125	81-137	
Chlorobenzene	ug/L	50	58.8	118	82-126	
Chloroethane	ug/L	50	51.6	103	69-140	
Chloroform	ug/L	50	56.4	113	77-129	
Chloromethane	ug/L	50	44.1	88	54-139	
Chloroprene	ug/L	50	46.2	92	71-142	
cis-1,2-Dichloroethene	ug/L	50	56.0	112	76-133	
cis-1,3-Dichloropropene	ug/L	50	54.6	109	76-127	
Dibromochloromethane	ug/L	50	53.8	108	77-125	
Dibromomethane	ug/L	50	62.4	125	77-125	
Ethylbenzene	ug/L	50	57.8	116	80-127	
Iodomethane	ug/L	100	91.0	91	65-172	
Isobutanol	ug/L	1000	1240	124	50-150	
m&p-Xylene	ug/L	100	115	115	82-127	
Methacrylonitrile	ug/L	500	564	113	70-128	
Methyl methacrylate	ug/L	50	51.7	103	79-122	
Methylene Chloride	ug/L	50	66.6	133	67-133	
Naphthalene	ug/L	50	57.3	115	52-136	
o-Xylene	ug/L	50	56.6	113	83-124	
Propionitrile	ug/L	500	615	123	65-129	
Styrene	ug/L	50	57.2	114	80-130	
Tetrachloroethene	ug/L	50	57.7	115	78-128	
Toluene	ug/L	50	56.5	113	76-126	
trans-1,2-Dichloroethene	ug/L	50	53.4	107	78-134	
trans-1,3-Dichloropropene	ug/L	50	55.1	110	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	53.5J	107	51-140	
Trichloroethene	ug/L	50	63.1	126	79-127	
Trichlorofluoromethane	ug/L	50	50.0	100	76-148	
Vinyl acetate	ug/L	100	53.1	53	50-150	
Vinyl chloride	ug/L	50	52.0	104	67-143	
Xylene (Total)	ug/L	150	171	114	83-125	
1,2-Dichloroethane-d4 (S)	%			101	79-120	
4-Bromofluorobenzene (S)	%			101	87-109	
Dibromofluoromethane (S)	%			98	85-115	
Toluene-d8 (S)	%			99	70-120	

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QUALITY CONTROL DATA

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 316005 316006

Parameter	Units	9248992014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	66.1	64.4	132	129	60-150	3	30	
Benzene	ug/L	ND	50	50	62.1	61.6	124	123	74-136	.8	30	
Chlorobenzene	ug/L	ND	50	50	60.6	61.1	121	122	79-135	.8	30	
Toluene	ug/L	0.73J	50	50	62.8	61.3	124	121	73-131	2	30	
Trichloroethene	ug/L	ND	50	50	59.8	59.6	120	119	73-131	.4	30	
1,2-Dichloroethane-d4 (S)	%						107	107	79-120			
4-Bromofluorobenzene (S)	%						98	97	87-109			
Dibromofluoromethane (S)	%						101	99	85-115			
Toluene-d8 (S)	%						102	101	70-120			

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without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

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

QUALIFIERS

Project: WAYNE CO CLOSED LF 607058
Pace Project No.: 9249441

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

C9	Common Laboratory Contaminant.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
M0	Matrix spike recovery was outside laboratory control limits.
R1	RPD value was outside control limits.
Z2	Analyte present in the associated method blank above the detection limit.

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Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1181680

Section A Required Client Information:

Company: MESCO
Address: 1140 Benson Hwy Ste 200 Garner NC 27529
Email To: spatrick@mesco.com
Phone: 919-772-5393 Fax: 772-1176
Requested Due Date/TAT: Std. TA

Section B Required Project Information:

Report To: Sean Patrick
Copy To:
Purchase Order No.:
Project Name: Wayne Co. Closed LF
Project Number: 607058

Section C Invoice Information:

Attention: Sean Patrick
Company Name: MESCO
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 2103-6

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/GRAB DATE	COLLECTED Composite End/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	App. I & II metals	VOCs	App. I & II herbi	App. I & II pest/PCB	App. I & II SVOCs	App. I & II op-pest	Cyanide	Sulfide	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-9	WT	G	7/23/09	1600				14	8		1	3	1			1		X		X	X	X	X	X	X		001
2	MW-10	WT	G	7/24/09	0810				14	8		1	3	1			1		X		X	X	X	X	X	X		002
3	MW-11	WT	G	7/23/09	1300				14	8		1	3	1			1		X		X	X	X	X	X	X		003
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Call Sean Patrick	[signature]	7/24/09	1100	[signature] pace clt	7/24/09	11:45				
919-772-5393	[signature] pace clt	7/24/09	1525	[signature] PACE	7/24/09	1525	3.7	Y	N	Y
if you've questions										
regarding order										

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

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

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

Pace Analytical

Sample Condition Upon Receipt

Client Name: Municipal Project # 92499441

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

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

Optional	
Proj. Due Date:	N/A
Proj. Name:	N/A

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

Thermometer Used T060 Type of Ice: Wet Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 3.7 Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: 7/20/09

Temp should be above freezing to 6°C

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: BKM Date: 7/27/09

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

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

August 06, 2009

Bonnie McKee
Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville NC 28078

TEL: (704) 875-9092
FAX: (704) 875-9091

RE: 9249441

Dear Bonnie McKee: Order No: 0908117

Analytical Environmental Services, Inc. received 4 samples on August 4, 2009 10:15 am for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/09-06/30/10.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/09.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

James Forrest
Project Manager

3785 PRESIDENTIAL PARKWAY • ATLANTA, GEORGIA 30340 • TEL: (770) 457-8177 • FAX: (770)457-8188

Chain of Custody

Municipal-NC 0908117

Pace Analytical®
www.pacelabs.com

Workorder: 9249441 **Workorder Name:** WAYNE CO CLOSED LF 607058 **Results Requested** 7/31/2009

Report / Invoice To

Bonnie McKee
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
Phone (704)875-9092
Email: bonnie.mckee@pacelabs.com

Subcontract To

AES
$95 ea

P.O. CHS 07266

Requested Analysis

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Non Preserved						Requested Analysis: App II											LAB USE ONLY
1	MW-9	7/23/2009 16:00	9249441001	Water	2						✓											
2	MW-10	7/24/2009 08:10	9249441002	Water	2						✓											
3	MW-11	7/23/2009 13:00	9249441003	Water	2						✓											
4																						
5																						

Transfers	Released By	Date/Time	Received By	Date/Time
1			[illegible]	8/4/09
2				
3				
4				
5				

Comments

CO: ISAM
Fedex

Analytical Environmental Services, Inc

Date: 7-Aug-09

Client: Pace Analytical Services, Inc.
Project: 9249441
Lab ID: 0908117

Case Narrative

Sample Receiving Nonconformance:

Samples for CHLORINATED HERBICIDES were received and analyzed outside Method specified holding time of 7 days. Proceed with analysis of A2 Herbicides at three days TAT per Kevin Herring on 8/4/09.

Chlorinated Herbicides Analysis by Method 8151:

Samples 0908117-001A, -002A, and -003A were extracted and/or analyzed outside holding time of 7 days. Samples were received with insufficient holding time remaining to meet holding time requirements.

Analytical Environmental Services, Inc **Date:** 6-Aug-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-9
Project:	9249441	**Collection Date:**	7/23/2009 4:00:00 PM
Lab ID:	0908117-001	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A (SW3510B)								
2,4,5-T	BRL	2.0	H	ug/L	116516	1	08/05/2009 21:19	RF
2,4,5-TP (Silvex)	BRL	2.0	H	ug/L	116516	1	08/05/2009 21:19	RF
2,4-D	BRL	2.0	H	ug/L	116516	1	08/05/2009 21:19	RF
Dinoseb	BRL	5.0	H	ug/L	116516	1	08/05/2009 21:19	RF
Pentachlorophenol	BRL	1.0	H	ug/L	116516	1	08/05/2009 21:19	RF
Surr: DCAA	83.3	34.7-137	H	%REC	116516	1	08/05/2009 21:19	RF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc **Date:** 6-Aug-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-10
Project:	9249441	**Collection Date:**	7/24/2009 8:10:00 AM
Lab ID:	0908117-002	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A (SW3510B)								
2,4,5-T	BRL	2.0	H	ug/L	116516	1	08/05/2009 21:48	RF
2,4,5-TP (Silvex)	BRL	2.0	H	ug/L	116516	1	08/05/2009 21:48	RF
2,4-D	BRL	2.0	H	ug/L	116516	1	08/05/2009 21:48	RF
Dinoseb	BRL	5.0	H	ug/L	116516	1	08/05/2009 21:48	RF
Pentachlorophenol	BRL	1.0	H	ug/L	116516	1	08/05/2009 21:48	RF
Surr: DCAA	80.4	34.7-137	H	%REC	116516	1	08/05/2009 21:48	RF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc **Date:** 6-Aug-09

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	MW-11
Project:	9249441	**Collection Date:**	7/23/2009 1:00:00 PM
Lab ID:	0908117-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A (SW3510B)								
2,4,5-T	BRL	2.0	H	ug/L	116516	1	08/05/2009 19:54	RF
2,4,5-TP (Silvex)	BRL	2.0	H	ug/L	116516	1	08/05/2009 19:54	RF
2,4-D	BRL	2.0	H	ug/L	116516	1	08/05/2009 19:54	RF
Dinoseb	BRL	5.0	H	ug/L	116516	1	08/05/2009 19:54	RF
Pentachlorophenol	BRL	1.0	H	ug/L	116516	1	08/05/2009 19:54	RF
Surr: DCAA	49.6	34.7-137	H	%REC	116516	1	08/05/2009 19:54	RF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Pace Work Order Number 0908117

Checklist completed by N Deindg 8/4/09
Signature Date

Carrier name: FedEx ✓ UPS __ Courier __ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 4.3°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

ea 8/4

All samples received within holding time? Yes ✗ No ✓

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by N.D.

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

CLIENT: Pace Analytical Services, Inc.
Work Order: 0908117
Project: 9249441

ANALYTICAL QC SUMMARY REPORT

TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW

Sample ID: **MB-116516** SampType: **MBLK** Batch ID: **116516** Units: **ug/L** Prep Date: **8/4/2009** RunNo: **153274**
Client ID: TestCode: **CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A** Analysis Date: **8/5/2009** SeqNo: **3157519**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	BRL	2.0	0	0	0	0	0	0	0		
2,4,5-TP (Silvex)	BRL	2.0	0	0	0	0	0	0	0		
2,4-D	BRL	2.0	0	0	0	0	0	0	0		
Dinoseb	BRL	5.0	0	0	0	0	0	0	0		
Pentachlorophenol	BRL	1.0	0	0	0	0	0	0	0		
Surr: DCAA	4.419	0	5	0	88.4	34.7	137	0	0		

Sample ID: **LCS-116516** SampType: **LCS** Batch ID: **116516** Units: **ug/L** Prep Date: **8/4/2009** RunNo: **153274**
Client ID: TestCode: **CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A** Analysis Date: **8/5/2009** SeqNo: **3157518**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	5.007	2.0	5	0	100	64.4	124	0	0		
2,4,5-TP (Silvex)	4.684	2.0	5	0	93.7	72.3	123	0	0		
2,4-D	4.93	2.0	5	0	98.6	54.7	127	0	0		
Surr: DCAA	4.857	0	5	0	97.1	34.7	137	0	0		

Sample ID: **0908117-003AMS** SampType: **MS** Batch ID: **116516** Units: **ug/L** Prep Date: **8/4/2009** RunNo: **153274**
Client ID: **MW-11** TestCode: **CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A** Analysis Date: **8/5/2009** SeqNo: **3157521**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	3.95	2.0	5	0	79	52	132	0	0		H
2,4,5-TP (Silvex)	4.13	2.0	5	0	82.6	66.4	130	0	0		H
2,4-D	4.278	2.0	5	0	85.6	48.4	123	0	0		H
Surr: DCAA	3.491	0	5	0	69.8	34.7	137	0	0		H

Qualifiers:

<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Pace Analytical Services, Inc.
Work Order: 0908117
Project: 9249441

ANALYTICAL QC SUMMARY REPORT

TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW

Sample ID: **0908117-003AMSD** SampType: **MSD** Batch ID: **116516** Units: **ug/L** Prep Date: **8/4/2009** RunNo: **153274**
Client ID: **MW-11** TestCode: **CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A** Analysis Date: **8/5/2009** SeqNo: **3157522**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	4.352	2.0	5	0	87	52	132	3.95	9.69	35.7	H
2,4,5-TP (Silvex)	4.467	2.0	5	0	89.3	66.4	130	4.13	7.83	37.4	H
2,4-D	4.91	2.0	5	0	98.2	48.4	123	4.278	13.8	38.5	H
Surr: DCAA	3.721	0	5	0	74.4	34.7	137	3.491	0	0	H

Qualifiers:

<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		