Semi-Annual Water Quality Monitoring Report

Prepared for

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

August 2011

Permit Number: 96-01
MESCO Project Number: G11016.0

Submittal Date: February 7, 2012

P.O. BOX 97
Garner, NC 27529
License No. C-0281

Municipal Services Garner, NC
Engineering Company, P.A. Boone, NC
Municipal Engineering Services Company, P.A.
Garner and Boone, 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: Jonathan Pfohl Phone: (919) 772-5393

E-mail: jpfohl@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 Active C&D and Closed MSWLF	460-B South Landfill Road Dudley, NC 28333	96-01	.1600	August 16 & 17, 2011 w/ September 19, 2011 (Confirmation Event)

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) MNA Data for MW-1,MW-2 & MW-8
☐ 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.

Steven R. Gandy, Ph.D.,P.E. Senior Project Manager (919) 772-5393

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

Signature Date 2-7-2012

Affix NC Licensed/Professional Geologist Seal

NORTH CAROLINA PROFESSIONAL SEAL 031020 ENGINEER STEVEN RAY GANDY

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

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License No. C-0281

CIVIL/SANITARY/ENVIRONMENTAL ENGINEERS

SOLID WASTE MANAGEMENT

Municipal Services

Engineering Company, P.A.

SITE PLANNING/SUBDIVISIONS

SUBSURFACE UTILITY ENGINEERING (SUE)

February 7, 2012

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: Semi-Annual Water Quality Monitoring Report
Wayne County Active C&D and Closed MSWLF (Dudley)
Permit No. 96-01
MESCO Project No. G11016.0

Dear Ms. Drummond:

Introduction

The Wayne County landfill (permit #96-01) is located at 460 S Landfill Road (SR 1129), Dudley, Wayne County, North Carolina. 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 (Unit 1) was closed prior to October 1991 with a 24 inch final soil cover. The second unit (Unit 2) was closed with a cohesive cap of 18 inches of soil with a permeability of 1 x 10-5 cm/sec, and 18 inches of erosive layer prior to December 31, 1998 in accordance with the T*ransition Plan*. The C&D landfill is constructed and operating on top of the Unit 1 MSW landfill. The separate active Subtitle D Lined MSWLF (permit #96-06), located adjacent to the C&D landfill across the unnamed tributary of Edward's Branch, was monitored in conjunction with this site but reported separately. A topographical map showing the location of the site is included as **Plate 1.**

The ground and surface waters at the landfill have been monitored at least on a semi-annual basis since 1991. As a condition of the water quality monitoring program semi-annual compliance reports are required to be submitted to the NC Solid Waste Section (SWS). Municipal Engineering Services Company, P.A. (MESCO) of Garner NC performed sampling on August 16 & 17, 2011 in accordance with the semi-annual monitoring schedule prescribed by the SWS rules/regulations. A confirmation sampling event for select wells and parameters was performed on September 19, 2011 in response to a few unprecedented detections which were suspected to be attributed to artifact contamination.

As specified within Rule 15A NCAC 13B.1632(j) and the SWS Environmental Monitoring Report Form, this report contains sampling procedures, field and laboratory results, groundwater and surface water characterization, and findings. Detections compared to their respective standards tables, a hydrogeologic properties table, a monitoring network field observations table, field parameter data results, potentiometric map, quality assurance/quality control data, and laboratory analytical data results with chain-of-custody (C-O-C) are included. A corrective action summary including monitored natural attenuation (MNA) tables and screening models is presented in **Appendix A**.

PO Box 97, Garner, North Carolina 27529 (919) 772-5393 PO Box 349, Boone, NC 28607 (828) 262-1767

Sampling Procedure

MESCO performed this sampling event utilizing portable monitoring methodology in accordance with the Ground and and Surfacewater Sampling & Analysis Plan (SAP) contained in the *Corrective Action Plan* (Doc ID 8821) approved October 23, 2009. Water samples were collected from monitoring locations designated in the SAP with the exception of SW-2 and SW-3, which were dry. The site specific SAP directs corrective action monitoring for a subset of three monitoring wells (MW-1, MW-2 and MW-8) since MW-2 and MW-8 have previously yielded samples containing VOCs. Water quality monitoring was performed on eight wells (MW-3, MW-4, MW-5, MW-6, MW-7, MW-9, MW-10 and MW-11) and one surface water point (SW-1). Quality control measures implemented during this event included quantification of an equipment blank (EB), field blank (FB) and travel blank (TB). A supplemental surface water sample (SW-By_MW-2) was collected from the western tributary of Edward's Branch directly downgradient of MW-2. Data from two surface water locations from the Subtitle D Lined SAP are presented because this local discharge feature is shared by both permits, they are named SW-2 (shared) and SW-3 (shared) in this report. Monitoring locations are depicted on the potentiometric map, included as **Plate 2**.

Monitoring location function and integrity was visually evaluated and inspection documentation is provided in **Table 5**. The depth to water in each well was electronically gaged prior to purging to quantify the static water level elevation. Low-flow pumping methodology or bailing was utilized to adequately purge the wells a minimum of three times the volume of standing water in the well or until dry. During purging, field parameters dissolved oxygen (DO), oxidation-reduction potential (ORP), total dissolved solids (TDS), dissolved carbon dioxide, and turbidity were recorded in addition to the required pH, specific conductance and temperature. The samples were then placed into laboratory-prepared, pre-preserved containers via a new disposable polyethylene bailer. Samples were collected/separated based on likelihood of potential cross-contamination, kept on ice, and transported to a NC-certified laboratory under proper C-O-C protocol within the specified hold times for each analysis.

Field Parameter Data

A field parameter data summary is presented in **Table 6** and the field sampling data sheets are enclosed in **Appendix C**.

Laboratory Results

Pace Analytical Laboratory (PACE) of Huntersville and Asheville, NC performed the laboratory analysis on the collected groundwater samples for the constituents listed in 40 CFR Appendix II. The required surface water samples were tested for parameters listed in 40 CFR Appendix I. Additionally, the corrective action monitoring wells were analyzed for the SWS recommended monitored natural attenuation (MNA) parameters. Microseeps Inc. of Pittburgh, PA performed the MNA parameter analysis for volatile fatty acids, methane/ethene/ethane and dissolved hydrogen. MNA analyses results are discussed in **Appendix A**. Environmental Conservation Laboratories (ENCO) of Cary NC performed the analysis of the water samples collected during the subsequent confirmation event. A sampling and analysis table summarizing the locations, constituents, and methods is presented on **Table 1**. Laboratory results and C-O-Cs are contained in **Appendix B**. .

Water samples were analyzed to the laboratory-established Method Detection Limits (MDL), which are at or below the current Solid Waste Section Limit (SWSL). **Table 2** summarizes Appendix I constituents detected in groundwater and surface water samples above the current SWSL, Groundwater Protection Standards (GWP), North Carolina Groundwater Standards (2L) or the applicable Class C North Carolina Surface Water Standards (2B). **Table 3** summarizes Appendix II exclusive constituents (defined in this report as not also listed in Appendix I) detected above the MDL. **Appendix A** presents tables which tabulates MNA analyses.

Quality Control Samples

Methylene chloride was detected in concentrations over the 2L Standard in all three quality control blanks (EB, FB, TB). Methylene chloride was not detected in any other samples which indicates the data set has not been influenced by false positives or high bias attributed to field and/or laboratory artifact contamination.

Groundwater Samples

Total unfiltered metals were detected in concentrations exceeding their respective 2L Standard in samples from MW-2 (arsenic) and MW-7 (chromium). However, chromium was not detected above the SWSL or 2L Standard in MW-7 during the confirmation event. The VOC benzene continues to be detected above the 2L Standard in MW-2. A site map depicting the lone VOC concentration that exceeded the 2L Standard during this event is presented as **Plate 3.**

There were seven unprecedented Appendix II exclusive detections consisting of pesticides and mercury during the August event. However, as expected they were likely artifact contamination as evidenced by being absent during the subsequent September confirmation event. After supplementing the confirmation results there were no Appendix II exclusive detections in quantifiable concentrations.

Surfacewater Samples

Constituents were not detected in surface water samples in concentrations exceeding the established 2B Standards. Supplemental surface water sample SW-By_MW-2 collected approximately 166 feet downgradient of MW-2 continues to be absent of contaminants.

Groundwater and Surface Water Characterization

A single-day potentiometric map for the uppermost aquifer created from groundwater elevation data collected during this event, is included as **Plate 2.** Groundwater flow rates and directions were calculated based on collected data and are included in **Table 3**. Groundwater generally generally flows southwesterly towards Edward's Branch with an average rate of 39 feet/year ranging from approximately 2 feet/year (MW-7) to 173 feet/year (MW-3). The calculated flow directions and gradients are consistent with historical observations. Streams located within the facility boundaries were visually observed at low volume, flow and turbidity.

Findings

The laboratory results indicate that the groundwater quality has been compromised in a small portion of the uppermost aquifer south of the landfill, which is monitored by MW-2. The groundwater sample collected from MW-2 contained arsenic concentrations above its 2L Standard, however the origin may be a product of natural deposit erosion. According to NCDENR geochemical data reviewed on line, arsenic may occur naturally at elevated levels in this portion of the state. MW-2 also contained aromatic VOCs, including benzene (2.5 uq/L) which is above its 2L Standard (1uq/L). However, benzene concentrations remain within its historically identified range (ND to 5 ug/L) and an increasing trend is not evident. Current findings support prior assertions that the impact to the surficial groundwater south of the closed MSWLF as monitored by MW-2 appears to be isolated within 250 ft of the extent of waste. The horizontal extent of impact downgradient of MW-2 appears to have not migrated to the adjacent local discharge feature as evidenced by the lack of detections in samples SW_By_MW-2 and SW-1.

Groundwater quality monitored by MW-8, located cross gradient of Unit 1, has improved, as no constituent has been detected in a concentration above the respective 2L Standard since August 2009. MW-9 and MW-10, installed to delineate the impact beyond MW-8, continues to lack detections.

Following supplementation of the verification event none of the Appendix II exclusive target analytes were detected above SWSL nor their respective established 2L Standard.

Evidence of natural attenuation continues to be exhibited and corrective action to remediate the low level VOCs in the surficial aquifer will continue.

Closing

Water quality monitoring will continue at this facility. The next sampling event is tentatively scheduled for February 2012. If you have questions or comments regarding this report, please contact us by phone at (919) 772-5393 or by email at jpfohl@mesco.com.

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

Jonathan Pfohl
Environmental Specialist

Steven R. Gandy, Ph.D., P.E.
Senior Project Manager

Enclosures

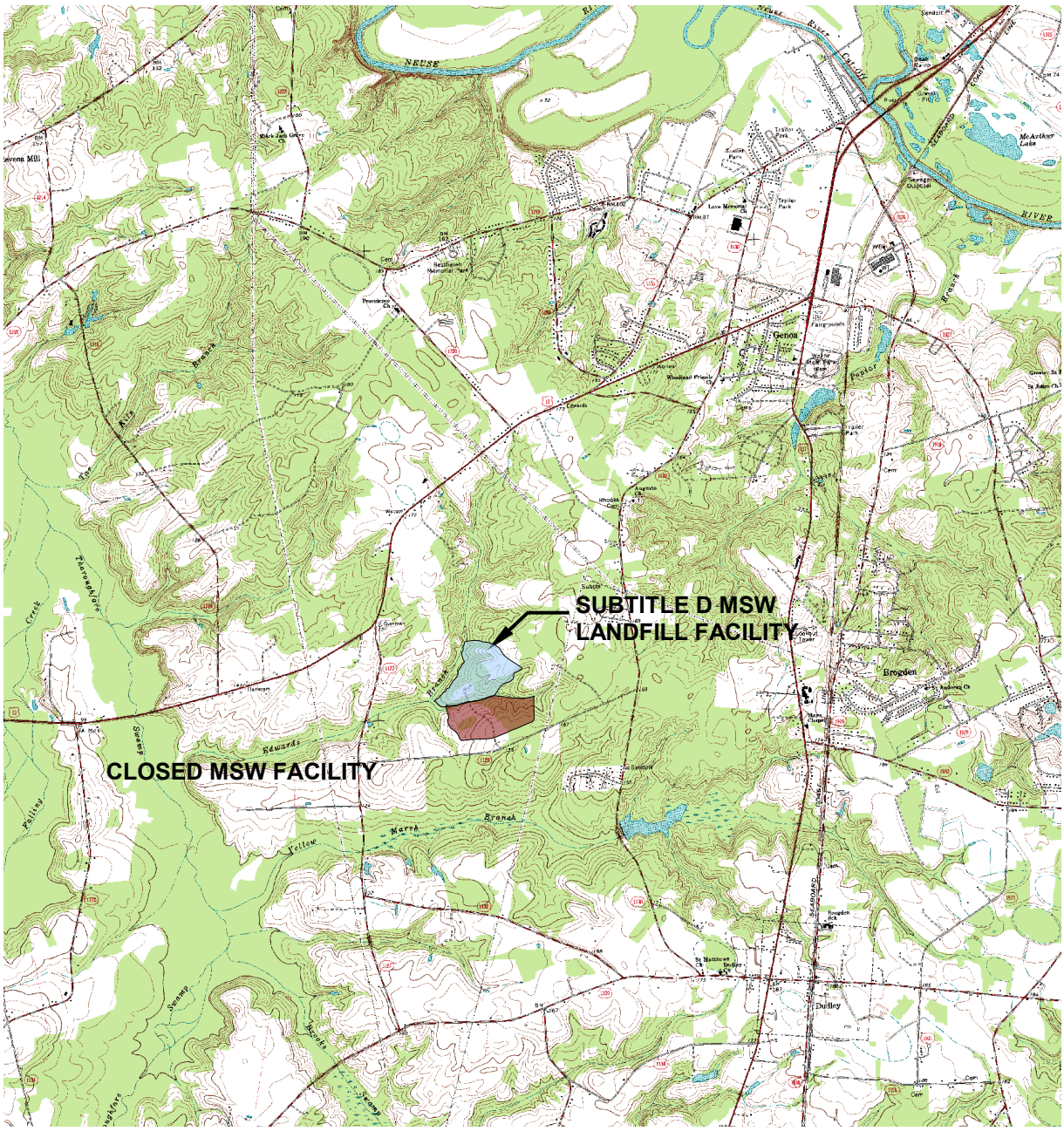
cc: Mr. Tim Rogers
Wayne County

Figures

Topographic Map with Site Location

Wayne County Landfill North Carolina (Dudley)

N



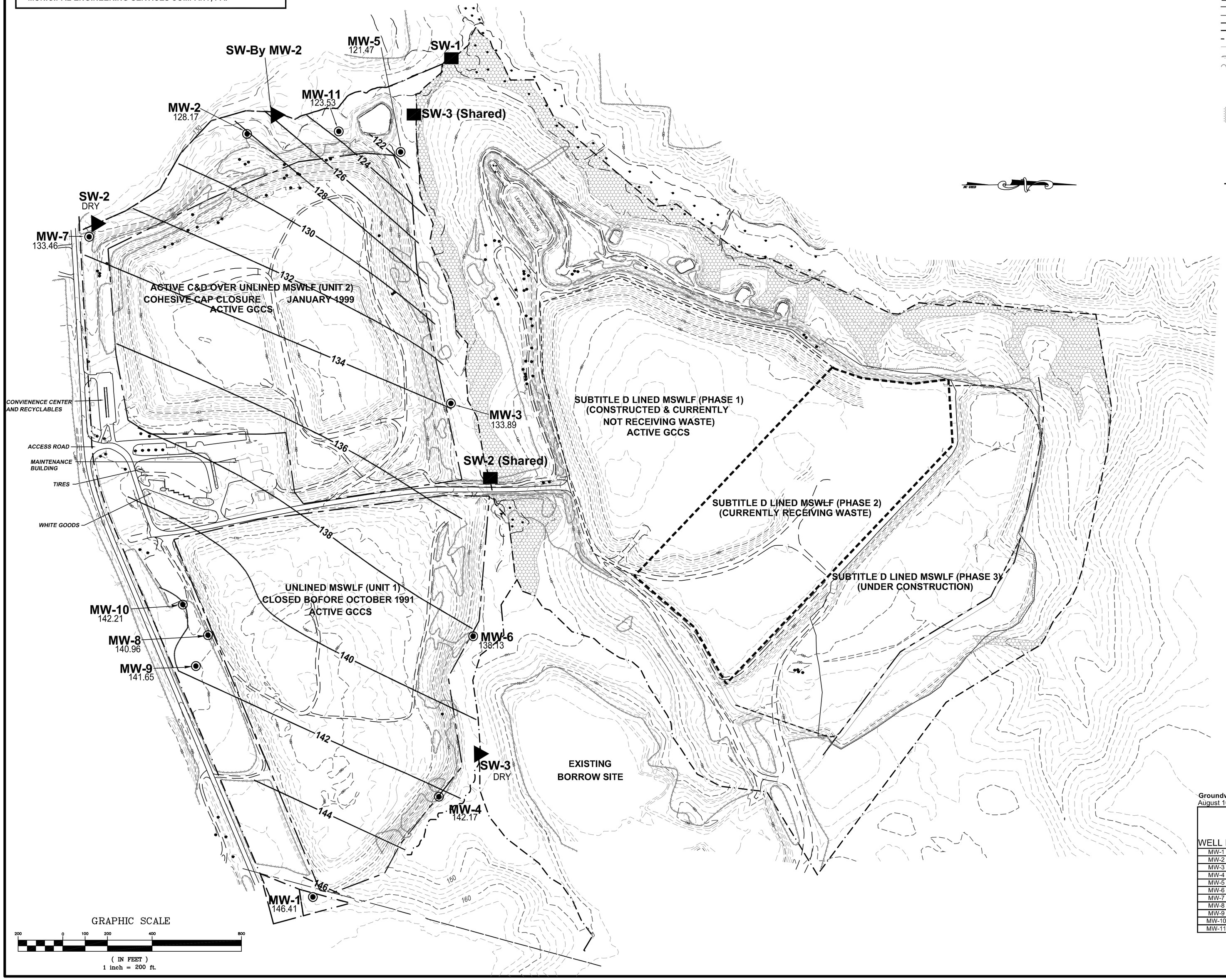
460 B South Landfill Rd
Dudley, NC 28333
Lat:35-17-19.1338
Long:-78-04-17.2971
Northing:561283.19
Easting:2277068.62

Primary highway, hard surface
Light-duty road, hard or improved surface
Secondary highway, hard surface
Unimproved road
Interstate Route
U. S. Route
State Route

1 0 1 MILE

PLATE 1

TOPOGRAPHY IS FROM AERIAL PHOTOGRAPHY FLOWN AND A TOP0GRAPHIC MAP WAS PROVIDED BY DARREL S. MILLER, PLS ON 8/17/2007 AND SUPPLEMENTED WITH FIELD SURVEYS BY MUNICIPAL ENGINEERING SERVICES COMPANY, PA.



LEGEND

- EXISTING CONTOURS
- PROPERTY LINE
- EXISITING UNPAVED ROAD
- EXISTING CREEK, STREAM, ETC.
- EXISTING DIVERSION DITCHES
- CLOSED MSWLF ESTIMATED EXTENT OF WASTE
- 300' BUFFER ZONE
- LINED MSWLF PHASE LIMITS
- EXISTING CHAINLINK FENCE
- TREE LINE (AERIAL MAPPING)
- TREE LINE (SURVEYED)
- TREES/SHRUBS
- WETLANDS
- MONITORING WELL
- SURFACE WATER MONITOIRNG POINT (LINED MSWLF)
- SURFACE WATER MONITOIRNG POINT (CLOSED MSWLF)
- −122 POTENIOMETRIC GROUNDWATER CONTOUR

Groundwater Elevations
August 16 & 17, 2011

WELL ID	TOP OF PIPE CASING ELEVATION (FT AMSL)	DEPTH TO WATER (FT)	GROUND WATER ELEVATION (FT AMSL)
MW-1	166.33	19.92	146.41
MW-2	134.52	6.35	128.17
MW-3	134.81	0.92	133.89
MW-4	150.20	8.03	142.17
MW-5	124.78	3.31	121.47
MW-6	145.53	7.40	138.13
MW-7	143.59	10.13	133.46
MW-8	161.88	20.92	140.96
MW-9	162.96	31.31	131.65
MW-10	162.90	20.69	142.21
MW-11	127.23	3.70	123.53

PLATE 2

Municipal Engineering Services Company, P.A.
LICENSE NUMBER: C-0281
P.O. BOX 97 GARNER, N.C. 27529 (919) 772-5393
P.O. BOX 348 BOONE, N.C. 28607 (828) 262-1767
P.O. BOX 828 MOREHEAD CITY, N.C. 28557 (252) 726-9481

ACTIVE C&D AND CLOSED MSW LANDFILL FACILIITY (DUDLEY)
WAYNE COUNTY NORTH CAROLINA

DATE	BY	REV.	DESCRIPTION

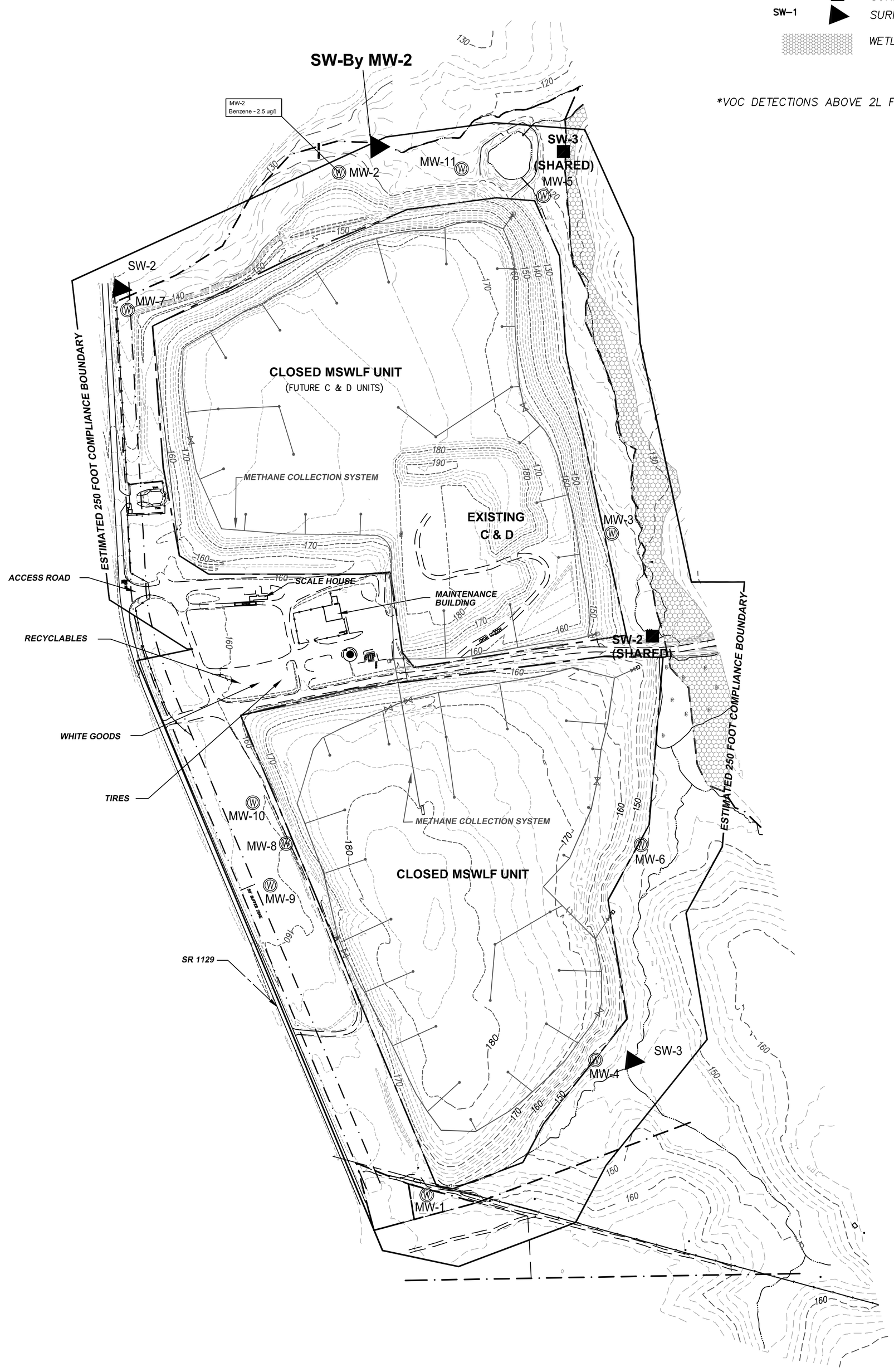
SINGLE EVENT POTENTIOMETRIC MAP
UPPERMOST AQUIFER

SCALE:	1" = 200'
DATE:	11/29/11
DRWN. BY:	J. PFOHL
CHKD. BY:	J. PFOHL
PROJECT NUMBER	G11116.0
DRAWING NO.	PLATE 2
SHEET NO.	1 OF 1

LEGEND

- EXISTING CONTOURS
- PROPERTY LINE
- EXISITING UNPAVED ROAD
- EXISTING WATER FEATURE
- EXISTING DIVERSION DITCHES
- CLOSED MSWLF SANITARY UNIT
- MW5 — MONITORING WELLS C&D LANDFILL
- SW-5 — SURFACE WATER SAMPLING SUBTITLE D
- SW-1 — SURFACE WATER SAMPLING C&D
- WETLANDS

*VOC DETECTIONS ABOVE 2L FROM 08-16-11 SAMPLING EVENT



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

PLATE 3

DRAWING NO.	PLATE 3
SHEET NO.	1 OF 1
PROJECT NUMBER	G11016.0
CHKD. BY:	M. GERMAN
DRWN. BY:	K. MCVERRY
DATE:	10/10/2011
SCALE:	1" = 200'

DATE	BY	REV.	DESCRIPTION

VOC CONCENTRATIONS
ABOVE 2L – AUGUST 2011

MUNICIPAL SOLID WASTE LANDFILL FACILITY
WAYNE COUNTY NORTH CAROLINA

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

Tables

Table 1
Sampling and Analysis Summary
August 16 & 17, 2011

		App. I		MNA													Field Parameter							App. II							
	Reason Not Sampled	VOCs	Total Metals	VFA	Hydrogen	Methane/Ethene/Ethane	Dissolved CO2	Alkalinity	Sulfate	Sulfide	Chloride	TOC	COD	BOD	Iron	Nitrate	Dissolved Oxygen (DO)	Oxidation Reduction Potential (ORP)	Temperature	Conductivity	Total Dissolved Solids (TDS)	pH	Turbidity	VOCs	Total Metals	Pesticides	Herbicides-Chlorinated	Polychlorinated biphenyl (PCB)	Semivolatile Organics (SVOCs)	Total Cyanide	Sulfide
		Lab EPA 8260B	Lab EPA 6000/7000	AM23G	AM20GAX	AM20GAX	Field Hach Kit	EPA 310.2	EPA 300.0	Lab SM18 4500-S D	EPA 300.0	SM 5310B	SM 5220D	SM5210B	Lab EPA 8270D	Lab EPA 9014	Field Meter	Field Meter	Field Meter	Field Meter	Field Meter	Field Meter	Field Meter	Lab EPA 8260B	Lab EPA 6000/7000	Lab EPA 8081B	Lab SW8151A	Lab EPA 8082A	Lab EPA 8270D	Lab EPA 9014	Lab SM18 4500-S D
MW-1				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MW-2				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MW-3																	x	x	x	x	x	x			x	x	x	x	x	x	x
MW-4																	x	x	x	x	x	x			x	x	x	x	x	x	x
MW-5																	x	x	x	x	x	x			x	x	x	x	x	x	x
MW-6																	x	x	x	x	x	x			x	x	x	x	x	x	x
MW-7																	x	x	x	x	x	x			x	x	x	x	x	x	x
MW-8				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x
MW-9																	x	x	x	x	x	x			x	x	x	x	x	x	x
MW-10																	x	x	x	x	x	x			x	x	x	x	x	x	x
MW-11																	x	x	x	x	x	x		x	x	x	x	x	x	x	x
SW-1		x	x														x	x	x	x	x	x									
SW-2	Dry																														
SW-2 (shared)																															
SW-ByMW-2																	x	x	x	x	x	x		x						x	
SW-3 (shared)		x	x														x	x	x	x	x	x									
SW-3	Dry																														
EB																								x	x	x	x		x	x	x
FB																								x	x						
TB																								x							

App I & II = Appendix I & II List from current 40 CFR 258

Table 2
Detections in Water Samples above Established SWSL, GWP, 2L or 2B (Appendix I)
August 16 & 17, 2011

Sample ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	2L [4]	2B [5]	GWP [6]	Exceedance	Preliminary Cause [7]
MW-1	Vanadium	08/17/11	8.4 j	ug/L	5	25			3.5	4.9	
MW-2	1,4-Dichlorobenzene	08/16/11	5.2	ug/L	0.33	1	6				
MW-2	**Arsenic**	**08/16/11**	**11.9**	**ug/L**	**5**	**10**	**10**			**1.9**	**N**
MW-2	Barium	08/16/11	175	ug/L	5	100	700				
MW-2	**Benzene**	**08/16/11**	**2.5**	**ug/L**	**0.25**	**1**	**1**			**1.5**	**L &/or LFG**
MW-2	Chlorobenzene	08/16/11	25.1	ug/L	0.23	3	50				
MW-2	Vanadium	08/16/11	9.4 j	ug/L	5	25			3.5	5.9	
MW-5	Vanadium	08/17/11	15.3 j	ug/L	5	25			3.5	11.8	
MW-5	Zinc	08/17/11	23	ug/L	10	10	1050				
MW-6	Barium	08/17/11	118	ug/L	5	100	700				
MW-6	Vanadium	08/17/11	5.2 j	ug/L	5	25			3.5	1.7	
MW-6	Zinc	08/17/11	12.4	ug/L	10	10	1050				
MW-7	**Chromium**	**08/17/11**	**22**	**ug/L**	**5**	**10**	**10**			**12**	**N or A**
MW-7	Chromium	09/19/11	4.98 j	ug/L	1	10	10				
MW-7	Lead	08/17/11	12.1	ug/L	5	10	15				
MW-7	Lead	09/19/11	4.51 j	ug/L	1.9	10	10				
MW-7	Vanadium	08/17/11	55.2 j	ug/L	5	25			3.5	51.7	
MW-7	Vanadium	09/19/11	7.632 j	ug/L	5	25			3.5	4.13	
MW-8	Barium	08/17/11	100	ug/L	5	100	700				
EB	**Methylene Chloride**	**08/17/11**	**5.2**	**ug/L**	**0.97**	**1**	**4.6**			**0.6**	**A**
FB	**Methylene Chloride**	**08/17/11**	**6.3**	**ug/L**	**0.97**	**1**	**4.6**			**1.7**	**A**
TB	**Methylene Chloride**	**08/17/11**	**6.3**	**ug/L**	**0.97**	**1**	**4.6**			**1.7**	**A**
SW-3	Barium	08/16/11	123	ug/L	5	100		200000			

1 Table contains Appendix I constituents detected at or above established SWSL, GWP, 2L, or 2B
[2] MDL = Method Detection Limit
[3] SWSL = Solid Waste Section Reporting Limit
[4] 2L = North Carolina 15A NCAC 2L Groundwater Quality Standard
[5] 2B = North Carolina 15 NCAC 2B Surface Water Quality Standard for this Specific Stream Classification
[6] GWP = Groundwater Protection Standard
[7] Preliminary Cause = Refers to a preliminary analysis of the cause and/or source of a detection over the respective 2L/2B Standard.
A definitive source of the detection was not determined as part of this report.
j =The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable
A = Artifact laboratory or field induced as evidenced by presence in blank(s) or absence in confirmation samples
N = Natural from erosion of natural deposits
L = Leachate
LFG = Landfill Gas
BOLD = Concentration > 2L, or 2B Standard

Table 3
Detections Above MDL (Appendix II Exclusive)
August 16 & 17, 2011 w/ Confirmation on September19, 2011

Sample ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	2L [4]	2B [5]	GWP [6]	Exceedance	Preliminary Cause [7]
MW-2	1,3-Dichlorobenzene	08/16/11	0.34 j	ug/L	0.24	5	170				
MW-2	Endrin aldehyde	08/16/11	0.071 j	ug/L	0.05	0.1	2.1				
MW-2	Naphthalene	08/16/11	1.7 j	ug/L	0.24	10	6				
MW-2	4,4'-DDD	08/16/11	0.077 j	ug/L	0.05	0.1	0.14				
MW-2	4,4'-DDT	08/16/11	0.078 j	ug/L	0.05	0.1	0.1				
MW-4	**4,4'-DDT**	**08/17/11**	**0.44**	**ug/L**	**0.05**	**0.1**	**0.1**			**0.34**	**A**
MW-4	4,4'-DDT	09/19/11	ND	ug/L	0.049	0.1	0.1				
MW-6	**4,4'-DDT**	**08/17/11**	**0.12**	**ug/L**	**0.05**	**0.1**	**0.1**			**0.02**	**A**
MW-6	4,4'-DDT	09/19/11	ND	ug/L	0.049	0.1	0.1				
MW-6	Endosulfan sulfate	08/17/11	0.11	ug/L	0.05	0.1	NE		NE		
MW-6	Endosulfan sulfate	09/19/11	ND	ug/L	0.025	0.1	NE		NE		
MW-6	Endosulfan II	08/17/11	0.11	ug/L	0.05	0.1	42				
MW-6	Endosulfan II	09/19/11	ND	ug/L	0.029	0.1	42				
MW-7	Mercury	08/17/11	0.1 j	ug/L	0.1	0.2	1.05				
MW-7	Mercury	09/19/11	ND	ug/L	0.17	0.2	1.05				
MW-8	Mercury	08/17/11	0.21	ug/L	0.1	0.2	1.05				
MW-8	Mercury	09/19/11	ND	ug/L	0.17	0.2	1.05				
MW-8	**4,4'-DDT**	**08/17/11**	**0.12**	**ug/L**	**0.05**	**0.1**	**0.1**			**0.02**	**A**
MW-8	4,4'-DDT	09/19/11	ND	ug/L	0.049	0.1	0.1				
MW-11	Dichlorodifluoromethane	08/16/11	0.62 j	ug/L	0.21	5	1400				

1 Table contains detected App II exclusive constituents (Not found on App I list)

[2] MDL = Method Detection Limit

[3] SWSL = Solid Waste Section Reporting Limit

[4] 2L = North Carolina 15A NCAC 2L Groundwater Quality Standard

[5] GWP = Groundwater Protection Standard

[7] Preliminary Cause = Refers to a preliminary analysis of the cause and/or source of a detection over the respective 2L/2B Standard.
A definitive source of the detection was not determined as part of this report.

j =The reported value is estimated & between the laboratory MDL & the SWSL, adjusted for actual sample preparation data and moisture content.

ND = Non-Detect (<MDL)

NE = Not Established

A = Artifact laboratory or field induced as evidenced by absence in confirmation samples

BOLD = Concentration >2L, or 2B Standard

Table 4
Hydrologic Properties at Monitoring Well Locations
August 16 & 17, 2011

Monitoring Well	Hydraulic Conductivity (cm/sec)	Effective Porosity (%)	Hydraulic Gradient (ft/ft)	Linear Velocity (ft/yr)	Flow Direction	Depth to Groundwater (ft btoc)	Groundwater Potentiometric Elevation (ft amsl)
MW-1	5.40E-04	20	0.007	18	N64W	19.92	146.41
MW-2	3.00E-04	20	0.020	31	N54W	6.35	128.17
MW-3	6.40E-03	20	0.005	173	N64W	0.92	133.89
MW-4	9.90E-04	20	0.005	24	N37W	8.03	142.17
MW-5	3.10E-05	20	0.019	3	N55W	3.31	121.47
MW-6	1.60E-04	20	0.067	56	N59W	7.40	138.13
MW-7	7.30E-05	20	0.007	2	N69W	10.13	133.46
MW-8	3.40E-04	20	0.003	6	N35W	20.92	140.96
Minimum	3.10E-05	20	0.003	2	-	0.92	121.47
Average	1.10E-03	20	0.017	39	-	9.62	135.58
Maximum	6.40E-03	20	0.067	173	-	20.92	146.41

NOTE: Data for conductivities and effective porosity obtained from GAI Consultants' Water Sampling Report (January, 1995).

Hydrologic Gradient from groundwater elevations recorded on August 16 & 17, 2011.

Linear Velocity (Q) is defined by the equation:

where $$Q = -\frac{K}{n_e} \cdot \frac{dh}{dl}$$

K = hydraulic conductivity

ne = effective porosity

dh = head difference

dl = horizontal distance

Table 5
Field Observations of Monitoring Locations
August 16 & 17, 2011

Sample Location	Viable Monitoring Location	Lack of Any Evidence of Tampering	Locked	Hinge/Hasp Operational	Tagged or Labeled	Concrete Surface Pad Effective	Degree of Visual Turbidity of Collected Sample	Comments
MW-1	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-2	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-3	Yes	Yes	Yes	Yes	Yes	Yes	Clear	Artesian
MW-4	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-5	Yes	Yes	Yes	Yes	Yes	Yes	Slight	Lock Replaced
MW-6	Yes	Yes	Yes	Yes	Yes	Yes	Slight	
MW-7	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-8	Yes	Yes	Yes	Yes	Yes	Yes	Slight	
MW-9	Yes	Yes	Yes	Yes	Yes	Yes	Moderate	
MW-10	Yes	Yes	Yes	Yes	Yes	Yes	Moderate	
MW-11	Yes	Yes	Yes	Yes	Yes	Yes	Slight	
SW-1	Yes	-	-	-	-	-	Clear	Shared Downstream of SW-3
SW-2	No	-	-	-	-	-	-	Dry-Upstream nearest MW-7
SW-2	Yes	-	-	-	-	-	Clear	Shared nearest lined MW-2
SW-3	Yes	-	-	-	-	-	Clear	Shared downstream of SW-2
SW-3	No	-	-	-	-	-	-	Dry-Shared Upstream nearest MW-4
SW-By _MW-2	Yes	-	-	-	-	-	Clear	Supplemental Sample

Any unusual field conditions, observations, or events:

None to note.

Table 6
Field Parameter Data Summary
August 16 & 17, 2011

Parameter	Depth to Water	Water Elevation	TOC Elevation	Temp.	ORP	DO	pH	Specific Conductance	TDS	Turbidity
Units	**ft (btoc)**	**ft (amsl)**	**ft (amsl)**	**C**	**mV**	**mg/L**	**SU**	**umhos/cm**	**mg/L**	**NTU or Visual**
MW-1	19.92	146.41	166.33	18.4	319	7.0	4.95	13	6	136
MW-2	6.35	128.17	134.52	21.3	-93	1.9	6.33	975	485	82
MW-3	0.92	133.89	134.81	19.9	18	0.3	6.01	420	109	Clear
MW-4	8.03	142.17	150.20	17.8	251	NR	4.72	96	47	Clear
MW-5	3.31	121.47	124.78	20.2	203	NR	4.49	67	33	Slight
MW-6	7.40	138.13	145.53	18.7	292	NR	4.80	447	228	Slight
MW-7	10.13	133.46	143.59	20.5	304	NR	4.51	89	44	Clear
MW-8	20.92	140.96	161.88	16.8	295	2.3	4.75	47	27	307
MW-9	21.31	141.65	162.96	17.3	269	1.7	7.80	42	21	Moderate
MW-10	20.69	142.21	162.90	17.6	324	2.2	4.53	71	34	Moderate
MW-11	3.70	123.53	127.23	19.3	193	2.2	6.01	68	28	Slight
Minimum	0.92	121.47	124.78	16.8	-93	0.3	4.49	13	303	82
Average	11.15	135.64	146.79	18.9	216	2.5	5.35	212	97	175
Maximum	21.31	146.41	166.33	21.3	324	7.0	7.80	975	485	307
SW-1	-	-	-	24.7	48	6.4	5.93	163	18	Clear
SW-2	-	-	-	24.9	37	6.2	6.21	117	58	Clear
SW-ByMW-2	-	-	-	26.3	62	5.8	6.28	47	23	Clear
SW-3	-	-	-	25.1	31	6.4	6.03	138	70	Clear
Minimum	-	-	-	24.7	31	5.8	5.93	47	18	Clear
Average	-	-	-	25.3	45	6.2	6.11	116	42	Clear
Maximum	-	-	-	26.3	62	6.4	6.28	163	70	Clear

NR = No reading attempted

Appendix A
Corrective Action Summary

Corrective Action Summary

Monitored Natural Attenuation (MNA) monitoring of MW-2, MW-8 and background well MW-1 was the remediation technology selected per the *Corrective Action Plan* (CAP) approved by the Solid Waste Section (SWS) in October 2009. An MNA baseline was established through four consecutive semi-annual monitoring events which was discussed in the *Corrective Action Evaluation Report* (CAER) [DIN 13923] submitted to the SWS on May 10, 2011. The Sampling and Analysis Plan (SAP) proposed in the CAER had not yet been approved prior to this August 16-17, 2011 event date; therefore MNA monitoring continued in accordance with the CAP.

Table A-1 depicts the MNA monitoring parameter data from samples collected during the August 16-17, 2011 event. **Table A-2** shows chlorinated solvent concentration breakdown products in the areas of concern (AOC) over the last two years. **Table A-3** presents concentrations of natural attenuation indicator parameters in the AOCs over the last two years.

BIOSCREEN models for benzene as detected in MW-2 are also presented.

Table A-1: MNA Parameters at Monitoring Well Locations

Parameters	Method	MDL*	Units	MW-1	MW-2	MW-8
				08/17/11	08/16/11	08/17/11
VFA – Acetic Acid	AM23G	70	ug/L	18	200	30
VFA – Butyric Acid	AM23G	50	ug/L	<50	88	<50
VFA – Lactic Acid	AM23G	100	ug/L	150	300	160
VFA – Propionic Acid	AM23G	50	ug/L	53	74	54
VFA – Pyruvic Acid	AM23G	150	ug/L	<150	70	<150
Hydrogen	AM20GAX	0.6	nM	15	2.4	13
Methane	AM20GAX	0.015	ug/L	0.041	1700	0.2
Ethene	AM20GAX	0.01	ug/L	0.037	0.016	0.029
Ethane	AM20GAX	0.01	ug/L	0.006	1.1	0.0065
CO2-Dissolved	Field Hach Kit	1	mg/L	40	>100	>100
Alkalinity	SM 2320B	5000	ug/L	<5000	576000	<5000
Sulfate	EPA 300.0	5000	ug/L	<5000	8790	<5000
Sulfide	SM 4500-S2D	100	ug/L	<100	<100	<100
Chloride	SM 4500-Cl-E	5000	ug/L	<5000	125000*	8060
TOC	SM 5310B	1000	ug/L	1160	46700	1890
COD	SM 5220D	25000	ug/L	<25000	93000	<25000
BOD	SM5210B	2000	ug/L	<2000	7500	<2000
Iron	EPA 6010	50	ug/L	3610	40600	2330
Nitrate	EPA 353.2	200	ug/L	<200	567	422
Temperature	Field Instrument	0	Degrees C	18.4	21.3	16.8
ORP	Field Instrument	-900	mV	319	-93	295
DO	Field Instrument	0	mg/L	7	1.9	2.3
pH	Field Instrument	0	Standard Units	4.95	6.33	4.75
Specific Conductance	Field Instrument	0	us/cm	13	975	47
Turbidity	Field Instrument	0	NTU	136	82	307

Notes:

VFA = Volatile Fatty Acid

MDL* = Lowest Method Detection Limit for Lab Parameters or Lowest Field Measurement Possible

>100 = CO2 Concentration Exceeds Maximum capability of Method Used

* Chloride in MW-2 used a 5x dilution (MDL = 25000)

Constituents Below Quantitation Limit are shown as < MDL value

Method AM23G and AM20GAX (analyzed by microseeps) is reported to the Method Reporting Limit (MRL)

Table A-2: Reductive Dechlorination Assessment

Well	Tetrachloroethene (PCE)					Trichloroethene (TCE)					1,1-Dichloroethene (1,1-DCE)					cis-1,2-Dichloroethene (cis-1,2 DCE)				
	Aug-09	Feb-10	Aug-10	Feb-11	Aug-11	Aug-09	Feb-10	Aug-10	Feb-11	Aug-11	Aug-09	Feb-10	Aug-10	Feb-11	Aug-11	Aug-09	Feb-10	Aug-10	Feb-11	Aug-11
MW-1	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
MW-2	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.20	BQL	BQL	BQL	BQL
MW-8	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Well	Vinyl Chloride (VC)					Ethene (ETH)					Ethane (ETH)				
	Aug-09	Feb-10	Aug-10	Feb-11	Aug-11	Aug-09	Feb-10	Aug-10	Feb-11	Aug-11	Aug-09	Feb-10	Aug-10	Feb-11	Aug-11
MW-1	BQL	BQL	BQL	BQL	BQL	0.011	BQL	0.025	0.029	0.037	BQL	BQL	0.006	0.003	0.006
MW-2	BQL	BQL	BQL	BQL	BQL	0.013	0.014	0.008	BQL	0.016	0.8	0.92	2.20	6.20	1.10
MW-8	BQL	BQL	BQL	BQL	BQL	0.007	BQL	0.018	BQL	0.029	0.003	BQL	0.004	BQL	0.0065

Notes:
1. The selected chlorinated solvents consist of the target parent compound and several target daughter compounds.
2. Analytes were analyzed per EPA Test Method 8260. Detections are presented in micrograms per liter (µg/L).
3. BQL = Below Quantitation Limit
4. Red Text identifies an increase in concentration when compared to the prior event.
5. Green Text identifies a decrease in concentration when compared to the prior event.

Table A-3: Natural Attenuation Properties

Well	Oxygen (DO)					Nitrate (NO3)					Iron (Fe)				
	Aug-09	Feb-10	Aug-10	Feb-11	Aug-11	Aug-09	Feb-10	Aug-10	Feb-11	Aug-11	Aug-09	Feb-10	Aug-10	Feb-11	Aug-11
MW-1	6.90	6.90	6.50	6.40	7.00	447	777	123	BQL	BQL	550	527	2790	3580	3610
MW-2	0.90	0.90	2.50	0.70	1.90	257	126	164	BQL	567	50100	45400	47600	53000	40600
MW-8	0.90	0.90	2.10	1.70	2.30	204	668	559	794	422	9680	2330	9680	1620	2330

Well	Sulfate (SO4)					Methane (CH4)				
	Aug-09	Feb-10	Aug-10	Feb-11	Aug-11	Aug-09	Feb-10	Aug-10	Feb-11	Aug-11
MW-1	6360	BQL	BQL	BQL	BQL	0.045	0.063	0.036	0.023	0.041
MW-2	27100	12600	32100	85800	8790	4700	2200	5100	4600	1700
MW-8	BQL	BQL	BQL	BQL	BQL	3.9	0.2	0.260	0.76	0.2

Note:
1. The selected parameters consist of target properties to help identify the attenuation environment.
2. Analytes were analyzed in accordance with the appropriate method, listed on Table 1.
3. DO detections are presented in milligrams per liter (mg/L); others are presented in micrograms per liter (ug/L).
4. BQL = Below Quantitation Limit.
5. Red Text identifies an increase in concentration when compared to the prior event.
6. Green Text identifies a decrease in concentrations when compared to the prior event.

BIOSCREEN Natural Attenuation Decision Support System

Air Force Center for Environmental Excellence — *Version 1.4*

Wayne County
MW-2 (benzene)
Run Name

Data Input Instructions:

115 → *1. Enter value directly....or*
↑ *or* — *2. Calculate by filling in grey cells below. (To restore formulas, hit button below).*
0.02

Variable* → *Data used directly in model.*
20 → *Value calculated by model. (Don't enter any data).*

1. HYDROGEOLOGY

Seepage Velocity*	*Vs*	30.9	*(ft/yr)*
or		↑ *or*	
Hydraulic Conductivity	*K*	3.0E-04	*(cm/sec)*
Hydraulic Gradient	*i*	0.0199	*(ft/ft)*
Porosity	*n*	0.2	*(-)*

2. DISPERSION

Longitudinal Dispersivity*	*alpha x*	12.5	*(ft)*
Transverse Dispersivity*	*alpha y*	1.3	*(ft)*
Vertical Dispersivity*	*alpha z*	0	*(ft)*
or		↑ *or*	
Estimated Plume Length	*Lp*	250	*(ft)*

3. ADSORPTION

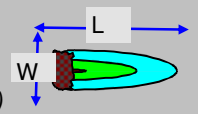
Retardation Factor*	*R*	4.8	*(-)*
or		↑ *or*	
Soil Bulk Density	*rho*		*(kg/l)*
Partition Coefficient	*Koc*		*(L/kg)*
FractionOrganicCarbon	*foc*		*(-)*

4. BIODEGRADATION

1st Order Decay Coeff*	*lambda*	0.35	*(per yr)*
or		↑ *or*	
Solute Half-Life	*t-half*	2.00	*(year)*
or Instantaneous Reaction Model			
Delta Oxygen*	*DO*	1.9	*(mg/L)*
Delta Nitrate*	*NO3*	0.567	*(mg/L)*
Observed Ferrous Iron*	*Fe2+*	40.6	*(mg/L)*
Delta Sulfate*	*SO4*	8.79	*(mg/L)*
Observed Methane*	*CH4*	1.7	*(mg/L)*

5. GENERAL

Modeled Area Length*	340	*(ft)*
Modeled Area Width*	365	*(ft)*
Simulation Time*	5	*(yr)*



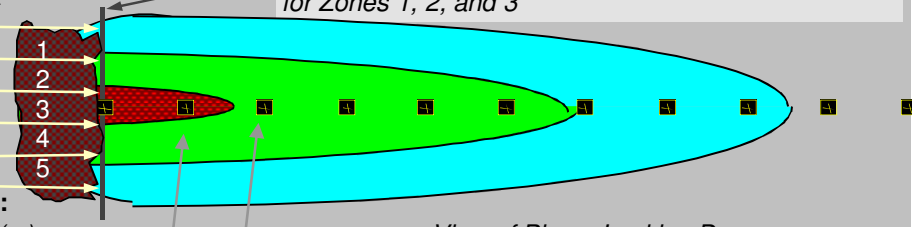
6. SOURCE DATA

Source Thickness in Sat.Zone* 10 *(ft)*

Source Zones:

Width* (ft)	Conc. (mg/L)*	
		1
150	0.011	2
20	0.02	3
150	0.011	4
0	0	5

Vertical Plane Source: Look at Plume Cross-Section and Input Concentrations & Widths for Zones 1, 2, and 3



View of Plume Looking Down

Source Halflife (see Help):

<1	500	*(yr)*

Inst. React. ↑ ↑ 1st Order

Soluble Mass 5 *(Kg)*
In Source NAPL, Soil

Observed Centerline Concentrations at Monitoring Wells If No Data Leave Blank or Enter "0"

7. FIELD DATA FOR COMPARISON

Concentration (mg/L)							0.0025				
Dist. from Source (ft)	0	34	68	102	136	170	204	238	272	306	340

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE — **View Output**

RUN ARRAY — **View Output**

Help

Recalculate This Sheet

Paste Example Dataset

Restore Formulas for Vs, Dispersivities, R, lambda, other

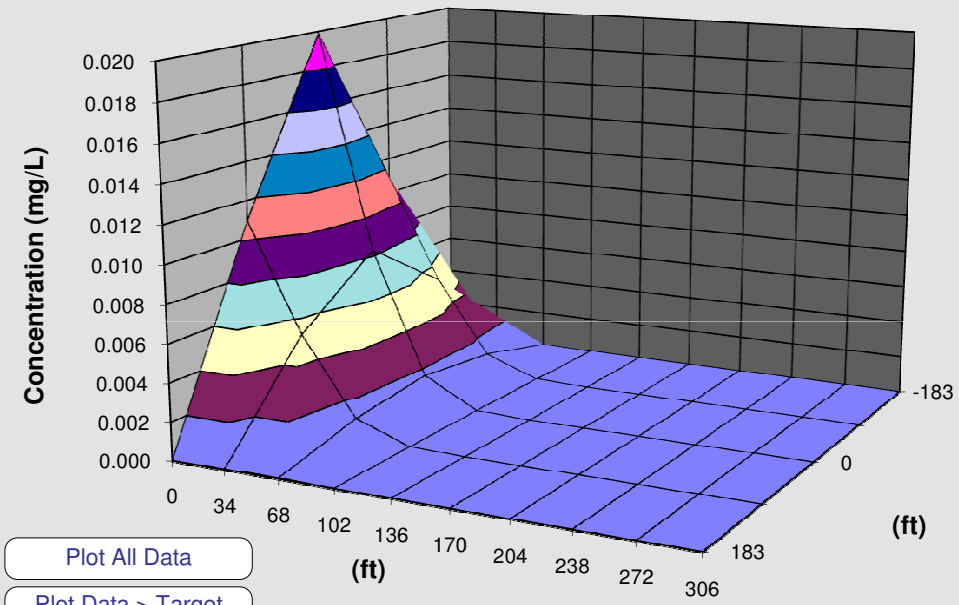
DISSOLVED HYDROCARBON CONCENTRATIONS IN PLUME (mg/L at Z=0)

Transverse Distance (ft) ↓	Distance from Source (ft) 0	34	68	102	136	170	204	238	272	306	340
183	0.000	0.000	0.000	6.097E-06	1.565E-07	9.155E-10	1.259E-12	4.110E-16	0.00E+00	0.00E+00	0.00E+00
91	0.011	0.005	0.001	7.654E-05	1.404E-06	6.640E-09	7.867E-12	2.298E-15	0.00E+00	0.00E+00	0.00E+00
0	0.020	0.008	0.002	1.059E-04	1.877E-06	8.664E-09	1.008E-11	2.902E-15	0.00E+00	0.00E+00	0.00E+00
-91	0.011	0.005	0.001	7.654E-05	1.404E-06	6.640E-09	7.867E-12	2.298E-15	0.00E+00	0.00E+00	0.00E+00
-183	0.000	0.000	0.000	6.097E-06	1.565E-07	9.155E-10	1.259E-12	4.110E-16	0.00E+00	0.00E+00	0.00E+00
MASS FLUX (mg/day)	1.8E+1	8.2E+0	1.8E+0	1.2E-1	2.2E-3	1.0E-5	1.2E-8	3.6E-12	0.0E+0	0.0E+0	0.0E+0

Time: **5 Years** Target Level: **0.001** mg/L Displayed Model: **No Degradation**

Model to Display:

- *No Degradation Model*
- *1st Order Decay Model*
- *Instantaneous Reaction Model*



Plot All Data

Plot Data > Target

Plume and Source Masses (Order-of-Magnitude Accuracy)

Plume Mass if No Biodegradation	3.2E-02	*(Kg)*
- Actual Plume Mass	3.2E-02	*(Kg)*
= Plume Mass Removed by Biodeg	**0.0E+00**	*(Kg)*
	0 %	

Change in Electron Acceptor/Byproduct Masses:

Oxygen	*Nitrate*	*Iron II*	*Sulfate*	*Methane*	
na	na	na	na	na	*(Kg)*

Contam. Mass in Source (t=0 Years)	5.0	*(Kg)*
Contam. Mass in Source Now (t=5Years)	5.0	*(Kg)*
Current Volume of Groundwater in Plume	0.9	*(ac-ft)*
Flowrate of Water Through Source Zone	0.454	*(ac-ft/yr)*

Mass HELP

Recalculate

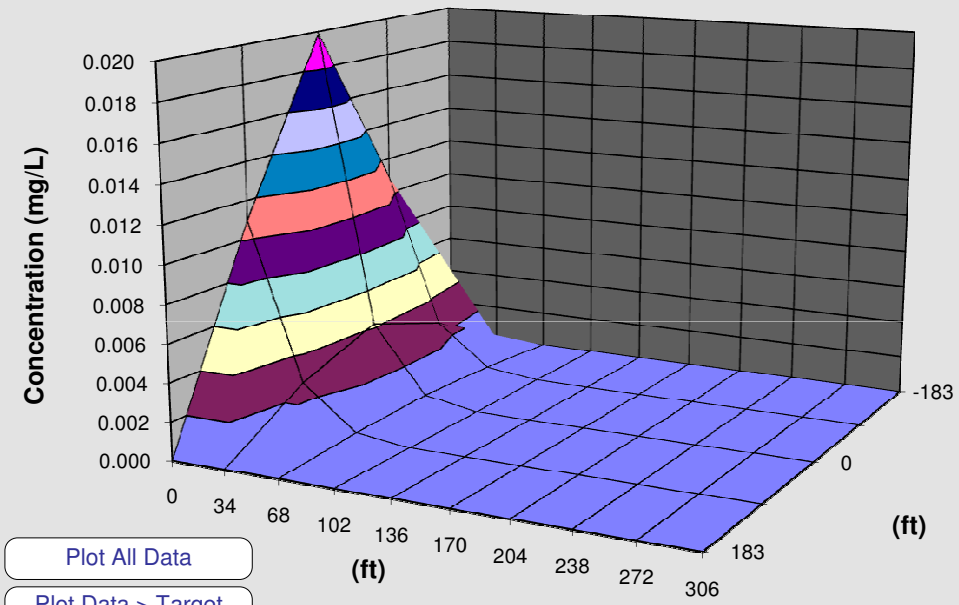
DISSOLVED HYDROCARBON CONCENTRATIONS IN PLUME (mg/L at Z=0)

Transverse Distance (ft) ↓	Distance from Source (ft) 0	34	68	102	136	170	204	238	272	306	340
183	0.000	0.000	0.000	1.610E-06	3.691E-08	2.020E-10	2.662E-13	8.441E-17	0.00E+00	0.00E+00	0.00E+00
91	0.011	0.003	0.000	2.022E-05	3.311E-07	1.465E-09	1.664E-12	4.720E-16	0.00E+00	0.00E+00	0.00E+00
0	0.020	0.004	0.001	2.796E-05	4.428E-07	1.912E-09	2.131E-12	5.960E-16	0.00E+00	0.00E+00	0.00E+00
-91	0.011	0.003	0.000	2.022E-05	3.311E-07	1.465E-09	1.664E-12	4.720E-16	0.00E+00	0.00E+00	0.00E+00
-183	0.000	0.000	0.000	1.610E-06	3.691E-08	2.020E-10	2.662E-13	8.441E-17	0.00E+00	0.00E+00	0.00E+00
MASS FLUX (mg/day)	1.8E+1	4.1E+0	5.8E-1	3.1E-2	5.2E-4	2.3E-6	2.6E-9	7.5E-13	0.0E+0	0.0E+0	0.0E+0

Model to Display:

- *No Degradation Model*
- *1st Order Decay Model*
- *Instantaneous Reaction Model*

Time: **5 Years** Target Level: **0.001** mg/L Displayed Model: **1st Order Decay**



Plot All Data

Plot Data > Target

Plume and Source Masses (Order-of-Magnitude Accuracy)

Plume Mass if No Biodegradation	3.2E-02	*(Kg)*
- Actual Plume Mass	4.8E-03	*(Kg)*
= Plume Mass Removed by Biodeg	**2.7E-02**	*(Kg)* (85 %)

Change in Electron Acceptor/Byproduct Masses:

Oxygen	*Nitrate*	*Iron II*	*Sulfate*	*Methane*	
na	na	na	na	na	*(Kg)*

Contam. Mass in Source (t=0 Years)	5.0	*(Kg)*
Contam. Mass in Source Now (t=5Years)	5.0	*(Kg)*
Current Volume of Groundwater in Plume	0.4	*(ac-ft)*
Flowrate of Water Through Source Zone	0.454	*(ac-ft/yr)*

Mass HELP

Recalculate

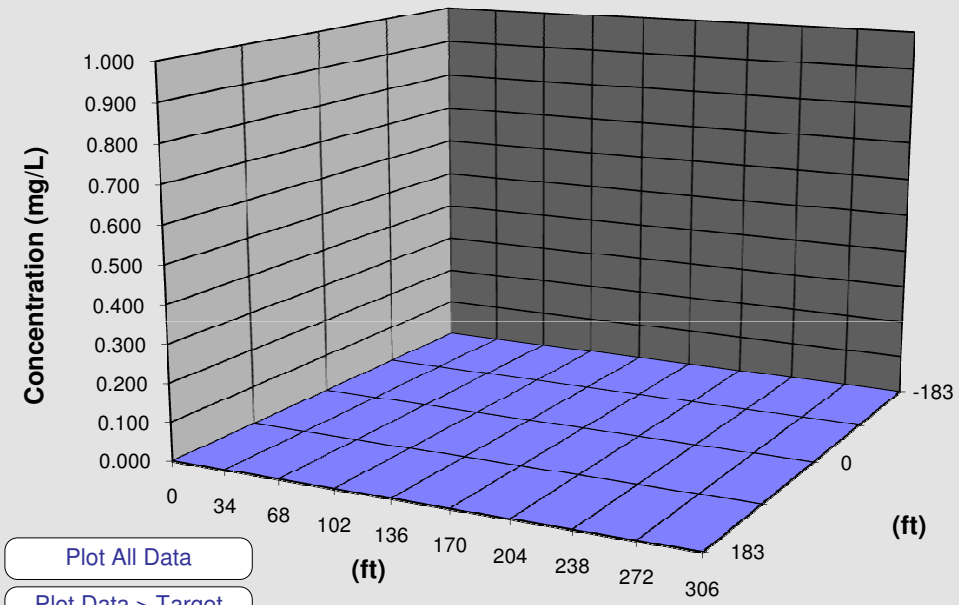
DISSOLVED HYDROCARBON CONCENTRATIONS IN PLUME (mg/L at Z=0)

Transverse Distance (ft) ↓	Distance from Source (ft) 0	34	68	102	136	170	204	238	272	306	340
183	0.000	0.000	0.000	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.00E+00	0.00E+00	0.00E+00
91	0.000	0.000	0.000	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.00E+00	0.00E+00	0.00E+00
0	0.000	0.000	0.000	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.00E+00	0.00E+00	0.00E+00
-91	0.000	0.000	0.000	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.00E+00	0.00E+00	0.00E+00
-183	0.000	0.000	0.000	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.00E+00	0.00E+00	0.00E+00
MASS FLUX (mg/day)	1.8E+1	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0

Time: **5 Years** Target Level: **0.001** mg/L Displayed Model: **Inst. Reaction**

Model to Display:

- *No Degradation Model*
- *1st Order Decay Model*
- *Instantaneous Reaction Model*



Plot All Data

Plot Data > Target

Plume and Source Masses (Order-of-Magnitude Accuracy)

Plume Mass if No Biodegradation	4.9E+00	*(Kg)*
- Actual Plume Mass	0.0E+00	*(Kg)*
= Plume Mass Removed by Biodeg	**4.9E+00**	*(Kg)* (100 %)

Change in Electron Acceptor/Byproduct Masses:

Oxygen	*Nitrate*	*Iron II*	*Sulfate*	*Methane*	
-1.4	-0.4	+29.9	-6.5	+1.3	*(Kg)*

Contam. Mass in Source (t=0 Years)	5.0	*(Kg)*
Contam. Mass in Source Now (t=5Years)	0.1	*(Kg)*
Current Volume of Groundwater in Plume	0.0	*(ac-ft)*
Flowrate of Water Through Source Zone	0.454	*(ac-ft/yr)*

Mass HELP

Recalculate

Appendix B
Laboratory Analysis Reports
Chains of Custody

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

October 05, 2011

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

RE: Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory between August 17, 2011 and August 18, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

Report reissued October 5, 2011 to include Iron by EPA 6010 for MW-1 and MW-8.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

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Enclosures

cc: Ms. Maddie German, Municipal Engineering Services

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CERTIFICATIONS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Wyoming Certification: FL NELAC Reciprocity

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE SUMMARY

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92100658001	**MW-2**	Water	08/16/11 17:40	08/17/11 14:55
92100658002	**MW-3**	Water	08/16/11 14:00	08/17/11 14:55
92100658003	**MW-11**	Water	08/16/11 15:00	08/17/11 14:55
92100658004	**MW-1**	Water	08/17/11 16:55	08/18/11 13:25
92100658005	**MW-8**	Water	08/17/11 12:30	08/18/11 13:25
92100658006	**MW-4**	Water	08/17/11 14:00	08/18/11 13:25
92100658007	**MW-5**	Water	08/17/11 16:20	08/18/11 13:25
92100658008	**MW-6**	Water	08/17/11 16:00	08/18/11 13:25
92100658009	**MW-7**	Water	08/17/11 15:15	08/18/11 13:25
92100658010	**MW-9**	Water	08/17/11 11:30	08/18/11 13:25
92100658011	**MW-10**	Water	08/17/11 12:05	08/18/11 13:25

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SAMPLE ANALYTE COUNT

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92100658001	**MW-2**	EPA 8081	CAH	21	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8151	LJM	5	PASI-O
		EPA 6010	SHB	17	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8270	BPJ	111	PASI-C
		EPA 8260	MCK	68	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		SM 5210B	JDA	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
		SM 5220D	SDH	1	PASI-A
		SM 5310B	SAJ	1	PASI-A
92100658002	**MW-3**	EPA 8081	CAH	21	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8151	LJM	5	PASI-O
		EPA 6010	SHB	16	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8270	BPJ	111	PASI-C
		EPA 8260	MCK	68	PASI-C
		SM 4500-S2D	AES	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
92100658003	**MW-11**	EPA 8081	CAH	21	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8151	LJM	5	PASI-O
		EPA 8270	BPJ	111	PASI-C
		EPA 8260	MCK	68	PASI-C
		SM 4500-S2D	AES	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
92100658004	**MW-1**	EPA 8081	CAH	21	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8151	LJM	5	PASI-O
		EPA 6010	SHB	17	PASI-A
		EPA 7470	JMW	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	BPJ	111	PASI-C
		EPA 8260	MCK	68	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		SM 5210B	SDH	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
		SM 5220D	SDH	1	PASI-A
		SM 5310B	SAJ	1	PASI-A
92100658005	**MW-8**	EPA 8081	CAH	21	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8151	LJM	5	PASI-O
		EPA 6010	SHB	17	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8270	BPJ	111	PASI-C
		EPA 8260	MCK	68	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		SM 5210B	SDH	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
		SM 5220D	SDH	1	PASI-A
		SM 5310B	SAJ	1	PASI-A
92100658006	**MW-4**	EPA 8081	CAH	21	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8151	LJM	5	PASI-O
		EPA 6010	SHB	16	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8270	BPJ	111	PASI-C
		EPA 8260	MCK	68	PASI-C
		SM 4500-S2D	AES	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
92100658007	**MW-5**	EPA 8081	CAH	21	PASI-C

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SAMPLE ANALYTE COUNT

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8082	RES	8	PASI-C
		EPA 8151	LJM	5	PASI-O
		EPA 6010	SHB	16	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8270	BPJ	111	PASI-C
		EPA 8260	MCK	68	PASI-C
		SM 4500-S2D	AES	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
92100658008	**MW-6**	EPA 8081	CAH	21	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8151	LJM	5	PASI-O
		EPA 6010	SHB	16	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8270	BPJ	111	PASI-C
		EPA 8260	MCK	68	PASI-C
		SM 4500-S2D	AES	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
92100658009	**MW-7**	EPA 8081	CAH	21	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8151	LJM	5	PASI-O
		EPA 6010	SHB	16	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8270	BPJ	111	PASI-C
		EPA 8260	MCK	68	PASI-C
		SM 4500-S2D	AES	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
92100658010	**MW-9**	EPA 8081	CAH	21	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8151	LJM	5	PASI-O
		EPA 8270	BPJ	111	PASI-C
		EPA 8260	MCK	68	PASI-C
		SM 4500-S2D	AES	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
92100658011	**MW-10**	EPA 8081	CAH	21	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8151	LJM	5	PASI-O
		EPA 8270	BPJ	111	PASI-C

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SAMPLE ANALYTE COUNT

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	MCK	68	PASI-C
		SM 4500-S2D	AES	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-2 **Lab ID: 92100658001** Collected: 08/16/11 17:40 Received: 08/17/11 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:08	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:08	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:08	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:08	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:08	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.20	1	08/23/11 16:00	08/25/11 18:08	57-74-9	
4,4'-DDD	**0.077J**	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:08	72-54-8	
4,4'-DDE	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:08	72-55-9	
4,4'-DDT	**0.078J**	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:08	50-29-3	
Dieldrin	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 18:08	60-57-1	
Endosulfan I	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:08	959-98-8	
Endosulfan II	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:08	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:08	1031-07-8	
Endrin	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:08	72-20-8	
Endrin aldehyde	**0.071J**	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:08	7421-93-4	
Heptachlor	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:08	76-44-8	
Heptachlor epoxide	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 18:08	1024-57-3	
Methoxychlor	ND	ug/L	1.0	0.15	1	08/23/11 16:00	08/25/11 18:08	72-43-5	
Toxaphene	ND	ug/L	1.5	0.20	1	08/23/11 16:00	08/25/11 18:08	8001-35-2	
Tetrachloro-m-xylene (S)	57	%	20-130		1	08/23/11 16:00	08/25/11 18:08	877-09-8	
Decachlorobiphenyl (S)	114	%	20-130		1	08/23/11 16:00	08/25/11 18:08	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 16:50	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 16:50	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 16:50	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 16:50	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 16:50	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 16:50	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 16:50	11096-82-5	
Decachlorobiphenyl (S)	108	%	10-132		1	08/23/11 16:00	08/25/11 16:50	2051-24-3	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151								
2,4-D	ND	ug/L	2.0	0.22	1	08/23/11 16:00	08/30/11 02:11	94-75-7	
Dinoseb	ND	ug/L	1.0	0.057	1	08/23/11 16:00	08/30/11 02:11	88-85-7	
2,4,5-T	ND	ug/L	2.0	0.042	1	08/23/11 16:00	08/30/11 02:11	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	2.0	0.049	1	08/23/11 16:00	08/30/11 02:11	93-72-1	M1
2,4-DCPA (S)	105	%	65.5-125.7		1	08/23/11 16:00	08/30/11 02:11	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	5.0	1	08/24/11 12:20	08/26/11 04:47	7440-36-0	
Arsenic	**11.9**	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:47	7440-38-2	
Barium	**175**	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 04:47	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 04:47	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 04:47	7440-43-9	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-2 **Lab ID: 92100658001** Collected: 08/16/11 17:40 Received: 08/17/11 14:55 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						
Chromium	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:47	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:47	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:47	7440-50-8	
Iron	**40600**	ug/L	300	50.0	1	08/24/11 12:20	08/26/11 04:47	7439-89-6	
Lead	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:47	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	08/24/11 12:20	08/26/11 04:47	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 04:47	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:47	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	08/24/11 12:20	08/26/11 19:19	7440-28-0	
Tin	ND	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 04:47	7440-31-5	
Vanadium	**9.4J**	ug/L	25.0	5.0	1	08/24/11 12:20	08/26/11 04:47	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 04:47	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.10	1	08/24/11 12:50	08/26/11 13:55	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270		Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	10.0	0.25	1	08/23/11 11:00	08/25/11 18:18	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.21	1	08/23/11 11:00	08/25/11 18:18	208-96-8	
Acetophenone	ND	ug/L	10.0	0.99	1	08/23/11 11:00	08/25/11 18:18	98-86-2	
2-Acetylaminofluorene	ND	ug/L	20.0	5.8	1	08/23/11 11:00	08/25/11 18:18	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	5.2	1	08/23/11 11:00	08/25/11 18:18	92-67-1	
Anthracene	ND	ug/L	10.0	0.14	1	08/23/11 11:00	08/25/11 18:18	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.33	1	08/23/11 11:00	08/25/11 18:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.30	1	08/23/11 11:00	08/25/11 18:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.28	1	08/23/11 11:00	08/25/11 18:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.38	1	08/23/11 11:00	08/25/11 18:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.43	1	08/23/11 11:00	08/25/11 18:18	207-08-9	
Benzyl alcohol	ND	ug/L	20.0	2.4	1	08/23/11 11:00	08/25/11 18:18	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	08/23/11 11:00	08/25/11 18:18	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	08/23/11 11:00	08/25/11 18:18	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	08/23/11 11:00	08/25/11 18:18	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	08/23/11 11:00	08/25/11 18:18	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	4.5	1	08/23/11 11:00	08/25/11 18:18	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	08/23/11 11:00	08/25/11 18:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	08/23/11 11:00	08/25/11 18:18	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.95	1	08/23/11 11:00	08/25/11 18:18	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	08/23/11 11:00	08/25/11 18:18	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 11:00	08/25/11 18:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	08/23/11 11:00	08/25/11 18:18	7005-72-3	
Chrysene	ND	ug/L	10.0	0.21	1	08/23/11 11:00	08/25/11 18:18	218-01-9	
Diallate	ND	ug/L	10.0	5.4	1	08/23/11 11:00	08/25/11 18:18	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.55	1	08/23/11 11:00	08/25/11 18:18	53-70-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	08/23/11 11:00	08/25/11 18:18	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	08/23/11 11:00	08/25/11 18:18	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	08/23/11 11:00	08/25/11 18:18	120-83-2	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-2 **Lab ID: 92100658001** Collected: 08/16/11 17:40 Received: 08/17/11 14:55 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								
2,6-Dichlorophenol	ND	ug/L	10.0	5.7	1	08/23/11 11:00	08/25/11 18:18	87-65-0	
Diethylphthalate	ND	ug/L	10.0	0.58	1	08/23/11 11:00	08/25/11 18:18	84-66-2	
Dimethoate	ND	ug/L	10.0	4.9	1	08/23/11 11:00	08/25/11 18:18	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	5.0	2.7	1	08/23/11 11:00	08/25/11 18:18	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10.0	4.9	1	08/23/11 11:00	08/25/11 18:18	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	10.0	9.6	1	08/23/11 11:00	08/25/11 18:18	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	08/23/11 11:00	08/25/11 18:18	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	08/23/11 11:00	08/25/11 18:18	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	08/23/11 11:00	08/25/11 18:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	2.6	1	08/23/11 11:00	08/25/11 18:18	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	20.0	5.1	1	08/23/11 11:00	08/25/11 18:18	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	08/23/11 11:00	08/25/11 18:18	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	08/23/11 11:00	08/25/11 18:18	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	08/23/11 11:00	08/25/11 18:18	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	08/23/11 11:00	08/25/11 18:18	117-84-0	
Diphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 11:00	08/25/11 18:18	122-39-4	
Disulfoton	ND	ug/L	10.0	5.5	1	08/23/11 11:00	08/25/11 18:18	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	15.0	0.79	1	08/23/11 11:00	08/25/11 18:18	117-81-7	
Ethyl methanesulfonate	ND	ug/L	20.0	5.6	1	08/23/11 11:00	08/25/11 18:18	62-50-0	
Famphur	ND	ug/L	10.0	3.7	1	08/23/11 11:00	08/25/11 18:18	52-85-7	
Fluoranthene	ND	ug/L	10.0	0.21	1	08/23/11 11:00	08/25/11 18:18	206-44-0	
Fluorene	ND	ug/L	10.0	0.21	1	08/23/11 11:00	08/25/11 18:18	86-73-7	
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	08/23/11 11:00	08/25/11 18:18	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	08/23/11 11:00	08/25/11 18:18	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	08/23/11 11:00	08/25/11 18:18	67-72-1	
Hexachloropropene	ND	ug/L	10.0	3.2	1	08/23/11 11:00	08/25/11 18:18	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.29	1	08/23/11 11:00	08/25/11 18:18	193-39-5	
Isodrin	ND	ug/L	20.0	5.7	1	08/23/11 11:00	08/25/11 18:18	465-73-6	
Isophorone	ND	ug/L	10.0	0.89	1	08/23/11 11:00	08/25/11 18:18	78-59-1	
Isosafrole	ND	ug/L	10.0	4.4	1	08/23/11 11:00	08/25/11 18:18	120-58-1	
Kepone	ND	ug/L	10.0	8.3	1	08/23/11 11:00	08/25/11 18:18	143-50-0	
Methapyrilene	ND	ug/L	100	5.8	1	08/23/11 11:00	08/25/11 18:18	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	2.6	1	08/23/11 11:00	08/25/11 18:18	56-49-5	
Methyl methanesulfonate	ND	ug/L	5.0	3.7	1	08/23/11 11:00	08/25/11 18:18	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	0.28	1	08/23/11 11:00	08/25/11 18:18	91-57-6	
Methyl parathion	ND	ug/L	10.0	4.9	1	08/23/11 11:00	08/25/11 18:18	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	08/23/11 11:00	08/25/11 18:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	08/23/11 11:00	08/25/11 18:18		
1-Naphthalenamine	ND	ug/L	5.0	4.1	1	08/23/11 11:00	08/25/11 18:18	134-32-7	
2-Naphthalenamine	ND	ug/L	5.0	3.0	1	08/23/11 11:00	08/25/11 18:18	91-59-8	
1,4-Naphthoquinone	ND	ug/L	5.0	3.3	1	08/23/11 11:00	08/25/11 18:18	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 11:00	08/25/11 18:18	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 11:00	08/25/11 18:18	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	08/23/11 11:00	08/25/11 18:18	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	08/23/11 11:00	08/25/11 18:18	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	08/23/11 11:00	08/25/11 18:18	88-75-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-2 **Lab ID: 92100658001** Collected: 08/16/11 17:40 Received: 08/17/11 14:55 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								
4-Nitrophenol	ND	ug/L	50.0	4.1	1	08/23/11 11:00	08/25/11 18:18	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	5.2	1	08/23/11 11:00	08/25/11 18:18	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	20.0	5.6	1	08/23/11 11:00	08/25/11 18:18	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.91	1	08/23/11 11:00	08/25/11 18:18	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	7.5	1	08/23/11 11:00	08/25/11 18:18	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	08/23/11 11:00	08/25/11 18:18	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 11:00	08/25/11 18:18	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	4.7	1	08/23/11 11:00	08/25/11 18:18	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	20.0	5.7	1	08/23/11 11:00	08/25/11 18:18	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	6.9	1	08/23/11 11:00	08/25/11 18:18	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	5.1	1	08/23/11 11:00	08/25/11 18:18	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	5.1	1	08/23/11 11:00	08/25/11 18:18	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	4.3	1	08/23/11 11:00	08/25/11 18:18	608-93-5	
Pentachloronitrobenzene	ND	ug/L	20.0	4.8	1	08/23/11 11:00	08/25/11 18:18	82-68-8	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	08/23/11 11:00	08/25/11 18:18	87-86-5	
Phenacetin	ND	ug/L	20.0	4.8	1	08/23/11 11:00	08/25/11 18:18	62-44-2	
Phenanthrene	ND	ug/L	10.0	0.22	1	08/23/11 11:00	08/25/11 18:18	85-01-8	
Phenol	ND	ug/L	10.0	1.9	1	08/23/11 11:00	08/25/11 18:18	108-95-2	
p-Phenylenediamine	ND	ug/L	10.0	6.7	1	08/23/11 11:00	08/25/11 18:18	106-50-3	
Phorate	ND	ug/L	10.0	5.4	1	08/23/11 11:00	08/25/11 18:18	298-02-2	
Pronamide	ND	ug/L	10.0	5.8	1	08/23/11 11:00	08/25/11 18:18	23950-58-5	
Pyrene	ND	ug/L	10.0	0.19	1	08/23/11 11:00	08/25/11 18:18	129-00-0	
Safrole	ND	ug/L	10.0	5.7	1	08/23/11 11:00	08/25/11 18:18	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	4.0	1	08/23/11 11:00	08/25/11 18:18	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1.2	1	08/23/11 11:00	08/25/11 18:18	58-90-2	
Thionazin	ND	ug/L	20.0	4.8	1	08/23/11 11:00	08/25/11 18:18	297-97-2	
O-Toluidine	ND	ug/L	10.0	5.7	1	08/23/11 11:00	08/25/11 18:18	95-53-4	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	08/23/11 11:00	08/25/11 18:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 11:00	08/25/11 18:18	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	10.0	5.2	1	08/23/11 11:00	08/25/11 18:18	99-35-4	
Nitrobenzene-d5 (S)	77	%	21-110		1	08/23/11 11:00	08/25/11 18:18	4165-60-0	
2-Fluorobiphenyl (S)	76	%	27-110		1	08/23/11 11:00	08/25/11 18:18	321-60-8	
Terphenyl-d14 (S)	78	%	31-107		1	08/23/11 11:00	08/25/11 18:18	1718-51-0	
Phenol-d6 (S)	36	%	10-110		1	08/23/11 11:00	08/25/11 18:18	13127-88-3	
2-Fluorophenol (S)	48	%	12-110		1	08/23/11 11:00	08/25/11 18:18	367-12-4	
2,4,6-Tribromophenol (S)	89	%	27-110		1	08/23/11 11:00	08/25/11 18:18	118-79-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/19/11 17:27	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/19/11 17:27	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/19/11 17:27	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 17:27	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/19/11 17:27	107-05-1	
Benzene	**2.5**	ug/L	1.0	0.25	1		08/19/11 17:27	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 17:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 17:27	75-27-4	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-2 **Lab ID: 92100658001** Collected: 08/16/11 17:40 Received: 08/17/11 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 17:27	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 17:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 17:27	78-93-3	
Carbon disulfide	**5.6J**	ug/L	100	1.2	1		08/19/11 17:27	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 17:27	56-23-5	
Chlorobenzene	**25.1**	ug/L	3.0	0.23	1		08/19/11 17:27	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 17:27	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/19/11 17:27	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/19/11 17:27	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/19/11 17:27	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 17:27	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 17:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 17:27	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 17:27	74-95-3	
1,2-Dichlorobenzene	**0.50J**	ug/L	5.0	0.30	1		08/19/11 17:27	95-50-1	
1,3-Dichlorobenzene	**0.34J**	ug/L	5.0	0.24	1		08/19/11 17:27	541-73-1	
1,4-Dichlorobenzene	**5.2**	ug/L	1.0	0.33	1		08/19/11 17:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 17:27	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		08/19/11 17:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 17:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 17:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 17:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 17:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 17:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 17:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 17:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/19/11 17:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/19/11 17:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 17:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 17:27	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 17:27	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/19/11 17:27	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/19/11 17:27	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 17:27	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 17:27	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/19/11 17:27	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/19/11 17:27	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/19/11 17:27	75-09-2	
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/19/11 17:27	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 17:27	108-10-1	
Naphthalene	**1.7J**	ug/L	10.0	0.24	1		08/19/11 17:27	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/19/11 17:27	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 17:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 17:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 17:27	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 17:27	127-18-4	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-2 **Lab ID: 92100658001** Collected: 08/16/11 17:40 Received: 08/17/11 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 17:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/19/11 17:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 17:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 17:27	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 17:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 17:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 17:27	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 17:27	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 17:27	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 17:27	1330-20-7	
4-Bromofluorobenzene (S)	95	%	70-130		1		08/19/11 17:27	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		08/19/11 17:27	1868-53-7	
1,2-Dichloroethane-d4 (S)	119	%	70-130		1		08/19/11 17:27	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		08/19/11 17:27	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**576000**	ug/L	5000	5000	1		08/20/11 16:00		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	ug/L	1000	100	1		08/23/11 09:45	18496-25-8	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**7500**	ug/L	2000	2000	1	08/18/11 12:00	08/23/11 11:35		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**8790J**	ug/L	250000	5000	1		08/24/11 13:33	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**567J**	ug/L	10000	200	1		08/17/11 23:18		
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**125000**	ug/L	25000	25000	5		08/29/11 11:50	16887-00-6	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	10.0	1		08/30/11 14:54	57-12-5	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**93000**	ug/L	25000	25000	1		08/25/11 13:16		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**46700**	ug/L	1000	1000	1		08/24/11 22:25	7440-44-0	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-3 **Lab ID: 92100658002** Collected: 08/16/11 14:00 Received: 08/17/11 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:25	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:25	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:25	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:25	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:25	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.20	1	08/23/11 16:00	08/25/11 18:25	57-74-9	
4,4'-DDD	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:25	72-54-8	
4,4'-DDE	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:25	72-55-9	
4,4'-DDT	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:25	50-29-3	
Dieldrin	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 18:25	60-57-1	
Endosulfan I	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:25	959-98-8	
Endosulfan II	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:25	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:25	1031-07-8	
Endrin	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:25	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:25	7421-93-4	
Heptachlor	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:25	76-44-8	
Heptachlor epoxide	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 18:25	1024-57-3	
Methoxychlor	ND	ug/L	1.0	0.15	1	08/23/11 16:00	08/25/11 18:25	72-43-5	
Toxaphene	ND	ug/L	1.5	0.20	1	08/23/11 16:00	08/25/11 18:25	8001-35-2	
Tetrachloro-m-xylene (S)	69	%	20-130		1	08/23/11 16:00	08/25/11 18:25	877-09-8	
Decachlorobiphenyl (S)	87	%	20-130		1	08/23/11 16:00	08/25/11 18:25	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:10	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:10	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:10	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:10	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:10	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:10	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:10	11096-82-5	
Decachlorobiphenyl (S)	76	%	10-132		1	08/23/11 16:00	08/25/11 17:10	2051-24-3	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151								
2,4-D	ND	ug/L	2.0	0.22	1	08/23/11 16:00	08/30/11 04:45	94-75-7	
Dinoseb	ND	ug/L	1.0	0.057	1	08/23/11 16:00	08/30/11 04:45	88-85-7	
2,4,5-T	ND	ug/L	2.0	0.042	1	08/23/11 16:00	08/30/11 04:45	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	2.0	0.049	1	08/23/11 16:00	08/30/11 04:45	93-72-1	
2,4-DCPA (S)	109	%	65.5-125.7		1	08/23/11 16:00	08/30/11 04:45	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	5.0	1	08/24/11 12:20	08/26/11 04:52	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:52	7440-38-2	
Barium	**15.7J**	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 04:52	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 04:52	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 04:52	7440-43-9	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-3 **Lab ID: 92100658002** Collected: 08/16/11 14:00 Received: 08/17/11 14:55 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						
Chromium	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:52	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:52	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:52	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:52	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	08/24/11 12:20	08/26/11 04:52	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 04:52	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:52	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	08/24/11 12:20	08/26/11 19:24	7440-28-0	
Tin	ND	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 04:52	7440-31-5	
Vanadium	ND	ug/L	25.0	5.0	1	08/24/11 12:20	08/26/11 04:52	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 04:52	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.10	1	08/24/11 12:50	08/26/11 13:57	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270		Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	10.0	0.25	1	08/23/11 11:00	08/25/11 18:56	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.21	1	08/23/11 11:00	08/25/11 18:56	208-96-8	
Acetophenone	ND	ug/L	10.0	0.99	1	08/23/11 11:00	08/25/11 18:56	98-86-2	
2-Acetylaminofluorene	ND	ug/L	20.0	5.8	1	08/23/11 11:00	08/25/11 18:56	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	5.2	1	08/23/11 11:00	08/25/11 18:56	92-67-1	
Anthracene	ND	ug/L	10.0	0.14	1	08/23/11 11:00	08/25/11 18:56	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.33	1	08/23/11 11:00	08/25/11 18:56	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.30	1	08/23/11 11:00	08/25/11 18:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.28	1	08/23/11 11:00	08/25/11 18:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.38	1	08/23/11 11:00	08/25/11 18:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.43	1	08/23/11 11:00	08/25/11 18:56	207-08-9	
Benzyl alcohol	ND	ug/L	20.0	2.4	1	08/23/11 11:00	08/25/11 18:56	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	08/23/11 11:00	08/25/11 18:56	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	08/23/11 11:00	08/25/11 18:56	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	08/23/11 11:00	08/25/11 18:56	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	08/23/11 11:00	08/25/11 18:56	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	4.5	1	08/23/11 11:00	08/25/11 18:56	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	08/23/11 11:00	08/25/11 18:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	08/23/11 11:00	08/25/11 18:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.95	1	08/23/11 11:00	08/25/11 18:56	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	08/23/11 11:00	08/25/11 18:56	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 11:00	08/25/11 18:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	08/23/11 11:00	08/25/11 18:56	7005-72-3	
Chrysene	ND	ug/L	10.0	0.21	1	08/23/11 11:00	08/25/11 18:56	218-01-9	
Diallate	ND	ug/L	10.0	5.4	1	08/23/11 11:00	08/25/11 18:56	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.55	1	08/23/11 11:00	08/25/11 18:56	53-70-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	08/23/11 11:00	08/25/11 18:56	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	08/23/11 11:00	08/25/11 18:56	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	08/23/11 11:00	08/25/11 18:56	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	5.7	1	08/23/11 11:00	08/25/11 18:56	87-65-0	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-3 **Lab ID: 92100658002** Collected: 08/16/11 14:00 Received: 08/17/11 14:55 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								
Diethylphthalate	ND	ug/L	10.0	0.58	1	08/23/11 11:00	08/25/11 18:56	84-66-2	
Dimethoate	ND	ug/L	10.0	4.9	1	08/23/11 11:00	08/25/11 18:56	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	5.0	2.7	1	08/23/11 11:00	08/25/11 18:56	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10.0	4.9	1	08/23/11 11:00	08/25/11 18:56	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	10.0	9.6	1	08/23/11 11:00	08/25/11 18:56	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	08/23/11 11:00	08/25/11 18:56	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	08/23/11 11:00	08/25/11 18:56	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	08/23/11 11:00	08/25/11 18:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	2.6	1	08/23/11 11:00	08/25/11 18:56	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	20.0	5.1	1	08/23/11 11:00	08/25/11 18:56	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	08/23/11 11:00	08/25/11 18:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	08/23/11 11:00	08/25/11 18:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	08/23/11 11:00	08/25/11 18:56	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	08/23/11 11:00	08/25/11 18:56	117-84-0	
Diphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 11:00	08/25/11 18:56	122-39-4	
Disulfoton	ND	ug/L	10.0	5.5	1	08/23/11 11:00	08/25/11 18:56	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	15.0	0.79	1	08/23/11 11:00	08/25/11 18:56	117-81-7	
Ethyl methanesulfonate	ND	ug/L	20.0	5.6	1	08/23/11 11:00	08/25/11 18:56	62-50-0	
Famphur	ND	ug/L	10.0	3.7	1	08/23/11 11:00	08/25/11 18:56	52-85-7	
Fluoranthene	ND	ug/L	10.0	0.21	1	08/23/11 11:00	08/25/11 18:56	206-44-0	
Fluorene	ND	ug/L	10.0	0.21	1	08/23/11 11:00	08/25/11 18:56	86-73-7	
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	08/23/11 11:00	08/25/11 18:56	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	08/23/11 11:00	08/25/11 18:56	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	08/23/11 11:00	08/25/11 18:56	67-72-1	
Hexachloropropene	ND	ug/L	10.0	3.2	1	08/23/11 11:00	08/25/11 18:56	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.29	1	08/23/11 11:00	08/25/11 18:56	193-39-5	
Isodrin	ND	ug/L	20.0	5.7	1	08/23/11 11:00	08/25/11 18:56	465-73-6	
Isophorone	ND	ug/L	10.0	0.89	1	08/23/11 11:00	08/25/11 18:56	78-59-1	
Isosafrole	ND	ug/L	10.0	4.4	1	08/23/11 11:00	08/25/11 18:56	120-58-1	
Kepone	ND	ug/L	10.0	8.3	1	08/23/11 11:00	08/25/11 18:56	143-50-0	
Methapyrilene	ND	ug/L	100	5.8	1	08/23/11 11:00	08/25/11 18:56	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	2.6	1	08/23/11 11:00	08/25/11 18:56	56-49-5	
Methyl methanesulfonate	ND	ug/L	5.0	3.7	1	08/23/11 11:00	08/25/11 18:56	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	0.28	1	08/23/11 11:00	08/25/11 18:56	91-57-6	
Methyl parathion	ND	ug/L	10.0	4.9	1	08/23/11 11:00	08/25/11 18:56	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	08/23/11 11:00	08/25/11 18:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	08/23/11 11:00	08/25/11 18:56		
2-Naphthalenamine	ND	ug/L	5.0	3.0	1	08/23/11 11:00	08/25/11 18:56	91-59-8	
1-Naphthalenamine	ND	ug/L	5.0	4.1	1	08/23/11 11:00	08/25/11 18:56	134-32-7	
1,4-Naphthoquinone	ND	ug/L	5.0	3.3	1	08/23/11 11:00	08/25/11 18:56	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 11:00	08/25/11 18:56	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 11:00	08/25/11 18:56	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	08/23/11 11:00	08/25/11 18:56	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	08/23/11 11:00	08/25/11 18:56	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	08/23/11 11:00	08/25/11 18:56	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	4.1	1	08/23/11 11:00	08/25/11 18:56	100-02-7	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-3 **Lab ID: 92100658002** Collected: 08/16/11 14:00 Received: 08/17/11 14:55 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								
5-Nitro-o-toluidine	ND	ug/L	10.0	5.2	1	08/23/11 11:00	08/25/11 18:56	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	20.0	5.6	1	08/23/11 11:00	08/25/11 18:56	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.91	1	08/23/11 11:00	08/25/11 18:56	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	7.5	1	08/23/11 11:00	08/25/11 18:56	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	08/23/11 11:00	08/25/11 18:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 11:00	08/25/11 18:56	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	4.7	1	08/23/11 11:00	08/25/11 18:56	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	20.0	5.7	1	08/23/11 11:00	08/25/11 18:56	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	6.9	1	08/23/11 11:00	08/25/11 18:56	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	5.1	1	08/23/11 11:00	08/25/11 18:56	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	5.1	1	08/23/11 11:00	08/25/11 18:56	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	4.3	1	08/23/11 11:00	08/25/11 18:56	608-93-5	
Pentachloronitrobenzene	ND	ug/L	20.0	4.8	1	08/23/11 11:00	08/25/11 18:56	82-68-8	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	08/23/11 11:00	08/25/11 18:56	87-86-5	
Phenacetin	ND	ug/L	20.0	4.8	1	08/23/11 11:00	08/25/11 18:56	62-44-2	
Phenanthrene	ND	ug/L	10.0	0.22	1	08/23/11 11:00	08/25/11 18:56	85-01-8	
Phenol	ND	ug/L	10.0	1.9	1	08/23/11 11:00	08/25/11 18:56	108-95-2	
p-Phenylenediamine	ND	ug/L	10.0	6.7	1	08/23/11 11:00	08/25/11 18:56	106-50-3	
Phorate	ND	ug/L	10.0	5.4	1	08/23/11 11:00	08/25/11 18:56	298-02-2	
Pronamide	ND	ug/L	10.0	5.8	1	08/23/11 11:00	08/25/11 18:56	23950-58-5	
Pyrene	ND	ug/L	10.0	0.19	1	08/23/11 11:00	08/25/11 18:56	129-00-0	
Safrole	ND	ug/L	10.0	5.7	1	08/23/11 11:00	08/25/11 18:56	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	4.0	1	08/23/11 11:00	08/25/11 18:56	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1.2	1	08/23/11 11:00	08/25/11 18:56	58-90-2	
Thionazin	ND	ug/L	20.0	4.8	1	08/23/11 11:00	08/25/11 18:56	297-97-2	
O-Toluidine	ND	ug/L	10.0	5.7	1	08/23/11 11:00	08/25/11 18:56	95-53-4	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	08/23/11 11:00	08/25/11 18:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 11:00	08/25/11 18:56	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	10.0	5.2	1	08/23/11 11:00	08/25/11 18:56	99-35-4	
Nitrobenzene-d5 (S)	60	%	21-110		1	08/23/11 11:00	08/25/11 18:56	4165-60-0	
2-Fluorobiphenyl (S)	63	%	27-110		1	08/23/11 11:00	08/25/11 18:56	321-60-8	
Terphenyl-d14 (S)	72	%	31-107		1	08/23/11 11:00	08/25/11 18:56	1718-51-0	
Phenol-d6 (S)	23	%	10-110		1	08/23/11 11:00	08/25/11 18:56	13127-88-3	
2-Fluorophenol (S)	36	%	12-110		1	08/23/11 11:00	08/25/11 18:56	367-12-4	
2,4,6-Tribromophenol (S)	68	%	27-110		1	08/23/11 11:00	08/25/11 18:56	118-79-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/19/11 17:53	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/19/11 17:53	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/19/11 17:53	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 17:53	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/19/11 17:53	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		08/19/11 17:53	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 17:53	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 17:53	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 17:53	75-25-2	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-3 **Lab ID: 92100658002** Collected: 08/16/11 14:00 Received: 08/17/11 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 17:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 17:53	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/19/11 17:53	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 17:53	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/19/11 17:53	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 17:53	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/19/11 17:53	67-66-3	
Chloromethane	**0.21J**	ug/L	1.0	0.11	1		08/19/11 17:53	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/19/11 17:53	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 17:53	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 17:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 17:53	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 17:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/19/11 17:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		08/19/11 17:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 17:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 17:53	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		08/19/11 17:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 17:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 17:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 17:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 17:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 17:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 17:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 17:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/19/11 17:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/19/11 17:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 17:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 17:53	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 17:53	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/19/11 17:53	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/19/11 17:53	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 17:53	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 17:53	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/19/11 17:53	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/19/11 17:53	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/19/11 17:53	75-09-2	
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/19/11 17:53	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 17:53	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		08/19/11 17:53	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/19/11 17:53	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 17:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 17:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 17:53	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 17:53	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 17:53	108-88-3	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-3 **Lab ID: 92100658002** Collected: 08/16/11 14:00 Received: 08/17/11 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/19/11 17:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 17:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 17:53	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 17:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 17:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 17:53	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 17:53	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 17:53	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 17:53	1330-20-7	
4-Bromofluorobenzene (S)	96	%	70-130		1		08/19/11 17:53	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		08/19/11 17:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1		08/19/11 17:53	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		08/19/11 17:53	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	ug/L	1000	100	1		08/23/11 09:45	18496-25-8	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	10.0	1		08/30/11 14:56	57-12-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-11 **Lab ID: 92100658003** Collected: 08/16/11 15:00 Received: 08/17/11 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:43	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:43	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:43	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:43	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:43	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.20	1	08/23/11 16:00	08/25/11 18:43	57-74-9	
4,4'-DDD	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:43	72-54-8	
4,4'-DDE	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:43	72-55-9	
4,4'-DDT	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:43	50-29-3	
Dieldrin	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 18:43	60-57-1	
Endosulfan I	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:43	959-98-8	
Endosulfan II	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:43	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:43	1031-07-8	
Endrin	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:43	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 18:43	7421-93-4	
Heptachlor	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 18:43	76-44-8	
Heptachlor epoxide	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 18:43	1024-57-3	
Methoxychlor	ND	ug/L	1.0	0.15	1	08/23/11 16:00	08/25/11 18:43	72-43-5	
Toxaphene	ND	ug/L	1.5	0.20	1	08/23/11 16:00	08/25/11 18:43	8001-35-2	
Tetrachloro-m-xylene (S)	66	%	20-130		1	08/23/11 16:00	08/25/11 18:43	877-09-8	
Decachlorobiphenyl (S)	88	%	20-130		1	08/23/11 16:00	08/25/11 18:43	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:30	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:30	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:30	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:30	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:30	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:30	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:30	11096-82-5	
Decachlorobiphenyl (S)	75	%	10-132		1	08/23/11 16:00	08/25/11 17:30	2051-24-3	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151								
2,4-D	ND	ug/L	2.0	0.22	1	08/23/11 16:00	08/30/11 05:16	94-75-7	
Dinoseb	ND	ug/L	1.0	0.057	1	08/23/11 16:00	08/30/11 05:16	88-85-7	
2,4,5-T	ND	ug/L	2.0	0.042	1	08/23/11 16:00	08/30/11 05:16	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	2.0	0.049	1	08/23/11 16:00	08/30/11 05:16	93-72-1	
2,4-DCPA (S)	125	%	65.5-125.7		1	08/23/11 16:00	08/30/11 05:16	19719-28-9	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	10.0	0.25	1	08/23/11 16:45	08/25/11 23:13	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/25/11 23:13	208-96-8	
Acetophenone	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/25/11 23:13	98-86-2	
2-Acetylaminofluorene	ND	ug/L	20.0	5.8	1	08/23/11 16:45	08/25/11 23:13	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/25/11 23:13	92-67-1	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-11 **Lab ID: 92100658003** Collected: 08/16/11 15:00 Received: 08/17/11 14:55 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								
Anthracene	ND	ug/L	10.0	0.14	1	08/23/11 16:45	08/25/11 23:13	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.33	1	08/23/11 16:45	08/25/11 23:13	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.30	1	08/23/11 16:45	08/25/11 23:13	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/25/11 23:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.38	1	08/23/11 16:45	08/25/11 23:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.43	1	08/23/11 16:45	08/25/11 23:13	207-08-9	
Benzyl alcohol	ND	ug/L	20.0	2.4	1	08/23/11 16:45	08/25/11 23:13	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	08/23/11 16:45	08/25/11 23:13	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	08/23/11 16:45	08/25/11 23:13	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	08/23/11 16:45	08/25/11 23:13	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	08/23/11 16:45	08/25/11 23:13	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	4.5	1	08/23/11 16:45	08/25/11 23:13	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/25/11 23:13	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/25/11 23:13	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.95	1	08/23/11 16:45	08/25/11 23:13	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/25/11 23:13	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/25/11 23:13	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	08/23/11 16:45	08/25/11 23:13	7005-72-3	
Chrysene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/25/11 23:13	218-01-9	
Diallate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/25/11 23:13	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.55	1	08/23/11 16:45	08/25/11 23:13	53-70-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/25/11 23:13	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/25/11 23:13	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	08/23/11 16:45	08/25/11 23:13	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/25/11 23:13	87-65-0	
Diethylphthalate	ND	ug/L	10.0	0.58	1	08/23/11 16:45	08/25/11 23:13	84-66-2	
Dimethoate	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/25/11 23:13	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	5.0	2.7	1	08/23/11 16:45	08/25/11 23:13	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/25/11 23:13	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	10.0	9.6	1	08/23/11 16:45	08/25/11 23:13	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/25/11 23:13	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	08/23/11 16:45	08/25/11 23:13	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	08/23/11 16:45	08/25/11 23:13	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	2.6	1	08/23/11 16:45	08/25/11 23:13	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	20.0	5.1	1	08/23/11 16:45	08/25/11 23:13	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	08/23/11 16:45	08/25/11 23:13	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	08/23/11 16:45	08/25/11 23:13	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/25/11 23:13	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	08/23/11 16:45	08/25/11 23:13	117-84-0	
Diphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/25/11 23:13	122-39-4	
Disulfoton	ND	ug/L	10.0	5.5	1	08/23/11 16:45	08/25/11 23:13	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	15.0	0.79	1	08/23/11 16:45	08/25/11 23:13	117-81-7	
Ethyl methanesulfonate	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/25/11 23:13	62-50-0	
Famphur	ND	ug/L	10.0	3.7	1	08/23/11 16:45	08/25/11 23:13	52-85-7	
Fluoranthene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/25/11 23:13	206-44-0	
Fluorene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/25/11 23:13	86-73-7	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-11 **Lab ID: 92100658003** Collected: 08/16/11 15:00 Received: 08/17/11 14:55 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								
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	08/23/11 16:45	08/25/11 23:13	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	08/23/11 16:45	08/25/11 23:13	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/25/11 23:13	67-72-1	
Hexachloropropene	ND	ug/L	10.0	3.2	1	08/23/11 16:45	08/25/11 23:13	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.29	1	08/23/11 16:45	08/25/11 23:13	193-39-5	
Isodrin	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/25/11 23:13	465-73-6	
Isophorone	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/25/11 23:13	78-59-1	
Isosafrole	ND	ug/L	10.0	4.4	1	08/23/11 16:45	08/25/11 23:13	120-58-1	
Kepone	ND	ug/L	10.0	8.3	1	08/23/11 16:45	08/25/11 23:13	143-50-0	
Methapyrilene	ND	ug/L	100	5.8	1	08/23/11 16:45	08/25/11 23:13	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	2.6	1	08/23/11 16:45	08/25/11 23:13	56-49-5	
Methyl methanesulfonate	ND	ug/L	5.0	3.7	1	08/23/11 16:45	08/25/11 23:13	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/25/11 23:13	91-57-6	
Methyl parathion	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/25/11 23:13	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	08/23/11 16:45	08/25/11 23:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	08/23/11 16:45	08/25/11 23:13		
2-Naphthalenamine	ND	ug/L	5.0	3.0	1	08/23/11 16:45	08/25/11 23:13	91-59-8	
1-Naphthalenamine	ND	ug/L	5.0	4.1	1	08/23/11 16:45	08/25/11 23:13	134-32-7	
1,4-Naphthoquinone	ND	ug/L	5.0	3.3	1	08/23/11 16:45	08/25/11 23:13	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/25/11 23:13	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/25/11 23:13	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/25/11 23:13	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/25/11 23:13	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/25/11 23:13	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	4.1	1	08/23/11 16:45	08/25/11 23:13	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/25/11 23:13	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/25/11 23:13	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/25/11 23:13	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	7.5	1	08/23/11 16:45	08/25/11 23:13	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/25/11 23:13	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/25/11 23:13	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	4.7	1	08/23/11 16:45	08/25/11 23:13	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/25/11 23:13	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	6.9	1	08/23/11 16:45	08/25/11 23:13	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/25/11 23:13	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/25/11 23:13	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	4.3	1	08/23/11 16:45	08/25/11 23:13	608-93-5	
Pentachloronitrobenzene	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/25/11 23:13	82-68-8	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	08/23/11 16:45	08/25/11 23:13	87-86-5	
Phenacetin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/25/11 23:13	62-44-2	
Phenanthrene	ND	ug/L	10.0	0.22	1	08/23/11 16:45	08/25/11 23:13	85-01-8	
Phenol	ND	ug/L	10.0	1.9	1	08/23/11 16:45	08/25/11 23:13	108-95-2	
p-Phenylenediamine	ND	ug/L	10.0	6.7	1	08/23/11 16:45	08/25/11 23:13	106-50-3	
Phorate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/25/11 23:13	298-02-2	
Pronamide	ND	ug/L	10.0	5.8	1	08/23/11 16:45	08/25/11 23:13	23950-58-5	
Pyrene	ND	ug/L	10.0	0.19	1	08/23/11 16:45	08/25/11 23:13	129-00-0	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-11 **Lab ID: 92100658003** Collected: 08/16/11 15:00 Received: 08/17/11 14:55 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								
Safrole	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/25/11 23:13	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	4.0	1	08/23/11 16:45	08/25/11 23:13	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/25/11 23:13	58-90-2	
Thionazin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/25/11 23:13	297-97-2	
O-Toluidine	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/25/11 23:13	95-53-4	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/25/11 23:13	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/25/11 23:13	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/25/11 23:13	99-35-4	
Nitrobenzene-d5 (S)	59	%	21-110		1	08/23/11 16:45	08/25/11 23:13	4165-60-0	
2-Fluorobiphenyl (S)	60	%	27-110		1	08/23/11 16:45	08/25/11 23:13	321-60-8	
Terphenyl-d14 (S)	69	%	31-107		1	08/23/11 16:45	08/25/11 23:13	1718-51-0	
Phenol-d6 (S)	26	%	10-110		1	08/23/11 16:45	08/25/11 23:13	13127-88-3	
2-Fluorophenol (S)	38	%	12-110		1	08/23/11 16:45	08/25/11 23:13	367-12-4	
2,4,6-Tribromophenol (S)	67	%	27-110		1	08/23/11 16:45	08/25/11 23:13	118-79-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/19/11 18:18	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/19/11 18:18	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/19/11 18:18	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 18:18	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/19/11 18:18	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		08/19/11 18:18	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 18:18	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 18:18	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 18:18	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 18:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 18:18	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/19/11 18:18	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 18:18	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/19/11 18:18	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 18:18	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/19/11 18:18	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/19/11 18:18	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/19/11 18:18	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 18:18	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 18:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 18:18	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 18:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/19/11 18:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		08/19/11 18:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 18:18	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 18:18	110-57-6	
Dichlorodifluoromethane	**0.62J**	ug/L	5.0	0.21	1		08/19/11 18:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 18:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 18:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 18:18	75-35-4	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-11 **Lab ID: 92100658003** Collected: 08/16/11 15:00 Received: 08/17/11 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 18:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 18:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 18:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 18:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/19/11 18:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/19/11 18:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 18:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 18:18	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 18:18	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/19/11 18:18	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/19/11 18:18	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 18:18	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 18:18	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/19/11 18:18	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/19/11 18:18	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/19/11 18:18	75-09-2	
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/19/11 18:18	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 18:18	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		08/19/11 18:18	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/19/11 18:18	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 18:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 18:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 18:18	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 18:18	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 18:18	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/19/11 18:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 18:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 18:18	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 18:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 18:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 18:18	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 18:18	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 18:18	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 18:18	1330-20-7	
4-Bromofluorobenzene (S)	98	%	70-130		1		08/19/11 18:18	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		1		08/19/11 18:18	1868-53-7	
1,2-Dichloroethane-d4 (S)	123	%	70-130		1		08/19/11 18:18	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		08/19/11 18:18	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	ug/L	1000	100	1		08/23/11 09:45	18496-25-8	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	10.0	1		08/30/11 14:58	57-12-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-1 **Lab ID: 92100658004** Collected: 08/17/11 16:55 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:18	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:18	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:18	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:18	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:18	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.20	1	08/23/11 16:00	08/25/11 19:18	57-74-9	
4,4'-DDD	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:18	72-54-8	
4,4'-DDE	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:18	72-55-9	
4,4'-DDT	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:18	50-29-3	
Dieldrin	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 19:18	60-57-1	
Endosulfan I	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:18	959-98-8	
Endosulfan II	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:18	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:18	1031-07-8	
Endrin	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:18	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:18	7421-93-4	
Heptachlor	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:18	76-44-8	
Heptachlor epoxide	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 19:18	1024-57-3	
Methoxychlor	ND	ug/L	1.0	0.15	1	08/23/11 16:00	08/25/11 19:18	72-43-5	
Toxaphene	ND	ug/L	1.5	0.20	1	08/23/11 16:00	08/25/11 19:18	8001-35-2	
Tetrachloro-m-xylene (S)	80	%	20-130		1	08/23/11 16:00	08/25/11 19:18	877-09-8	
Decachlorobiphenyl (S)	75	%	20-130		1	08/23/11 16:00	08/25/11 19:18	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:50	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:50	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:50	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:50	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:50	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:50	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 17:50	11096-82-5	
Decachlorobiphenyl (S)	63	%	10-132		1	08/23/11 16:00	08/25/11 17:50	2051-24-3	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151								
2,4-D	ND	ug/L	2.0	0.22	1	08/23/11 16:00	08/30/11 06:18	94-75-7	
Dinoseb	ND	ug/L	1.0	0.057	1	08/23/11 16:00	08/30/11 06:18	88-85-7	
2,4,5-T	ND	ug/L	2.0	0.042	1	08/23/11 16:00	08/30/11 06:18	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	2.0	0.049	1	08/23/11 16:00	08/30/11 06:18	93-72-1	
2,4-DCPA (S)	108	%	65.5-125.7		1	08/23/11 16:00	08/30/11 06:18	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	5.0	1	08/24/11 12:20	08/26/11 05:26	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:26	7440-38-2	
Barium	**29.8J**	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 05:26	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 05:26	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 05:26	7440-43-9	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-1 **Lab ID: 92100658004** Collected: 08/17/11 16:55 Received: 08/18/11 13:25 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						
Chromium	**5.7J**	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:26	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:26	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:26	7440-50-8	
Iron	**3610**	ug/L	300	50.0	1	08/24/11 12:20	08/26/11 05:26	7439-89-6	
Lead	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:26	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	08/24/11 12:20	08/26/11 05:26	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 05:26	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:26	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	08/24/11 12:20	08/26/11 19:33	7440-28-0	
Tin	ND	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 05:26	7440-31-5	
Vanadium	**8.4J**	ug/L	25.0	5.0	1	08/24/11 12:20	08/26/11 05:26	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 05:26	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.10	1	08/24/11 12:50	08/26/11 14:27	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270		Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	10.0	0.25	1	08/23/11 16:45	08/26/11 11:57	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 11:57	208-96-8	
Acetophenone	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 11:57	98-86-2	
2-Acetylaminofluorene	ND	ug/L	20.0	5.8	1	08/23/11 16:45	08/26/11 11:57	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 11:57	92-67-1	
Anthracene	ND	ug/L	10.0	0.14	1	08/23/11 16:45	08/26/11 11:57	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.33	1	08/23/11 16:45	08/26/11 11:57	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.30	1	08/23/11 16:45	08/26/11 11:57	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 11:57	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.38	1	08/23/11 16:45	08/26/11 11:57	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.43	1	08/23/11 16:45	08/26/11 11:57	207-08-9	
Benzyl alcohol	ND	ug/L	20.0	2.4	1	08/23/11 16:45	08/26/11 11:57	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	08/23/11 16:45	08/26/11 11:57	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	08/23/11 16:45	08/26/11 11:57	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	08/23/11 16:45	08/26/11 11:57	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	08/23/11 16:45	08/26/11 11:57	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	4.5	1	08/23/11 16:45	08/26/11 11:57	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 11:57	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 11:57	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.95	1	08/23/11 16:45	08/26/11 11:57	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 11:57	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 11:57	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	08/23/11 16:45	08/26/11 11:57	7005-72-3	
Chrysene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 11:57	218-01-9	
Diallate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 11:57	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.55	1	08/23/11 16:45	08/26/11 11:57	53-70-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 11:57	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 11:57	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	08/23/11 16:45	08/26/11 11:57	120-83-2	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-1 **Lab ID: 92100658004** Collected: 08/17/11 16:55 Received: 08/18/11 13:25 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								
2,6-Dichlorophenol	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 11:57	87-65-0	
Diethylphthalate	ND	ug/L	10.0	0.58	1	08/23/11 16:45	08/26/11 11:57	84-66-2	
Dimethoate	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 11:57	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	5.0	2.7	1	08/23/11 16:45	08/26/11 11:57	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 11:57	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	10.0	9.6	1	08/23/11 16:45	08/26/11 11:57	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 11:57	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	08/23/11 16:45	08/26/11 11:57	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	08/23/11 16:45	08/26/11 11:57	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	2.6	1	08/23/11 16:45	08/26/11 11:57	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	20.0	5.1	1	08/23/11 16:45	08/26/11 11:57	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	08/23/11 16:45	08/26/11 11:57	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	08/23/11 16:45	08/26/11 11:57	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 11:57	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	08/23/11 16:45	08/26/11 11:57	117-84-0	
Diphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 11:57	122-39-4	
Disulfoton	ND	ug/L	10.0	5.5	1	08/23/11 16:45	08/26/11 11:57	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	15.0	0.79	1	08/23/11 16:45	08/26/11 11:57	117-81-7	
Ethyl methanesulfonate	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 11:57	62-50-0	
Famphur	ND	ug/L	10.0	3.7	1	08/23/11 16:45	08/26/11 11:57	52-85-7	
Fluoranthene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 11:57	206-44-0	
Fluorene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 11:57	86-73-7	
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	08/23/11 16:45	08/26/11 11:57	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	08/23/11 16:45	08/26/11 11:57	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 11:57	67-72-1	
Hexachloropropene	ND	ug/L	10.0	3.2	1	08/23/11 16:45	08/26/11 11:57	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.29	1	08/23/11 16:45	08/26/11 11:57	193-39-5	
Isodrin	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 11:57	465-73-6	
Isophorone	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 11:57	78-59-1	
Isosafrole	ND	ug/L	10.0	4.4	1	08/23/11 16:45	08/26/11 11:57	120-58-1	
Kepone	ND	ug/L	10.0	8.3	1	08/23/11 16:45	08/26/11 11:57	143-50-0	
Methapyrilene	ND	ug/L	100	5.8	1	08/23/11 16:45	08/26/11 11:57	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	2.6	1	08/23/11 16:45	08/26/11 11:57	56-49-5	
Methyl methanesulfonate	ND	ug/L	5.0	3.7	1	08/23/11 16:45	08/26/11 11:57	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 11:57	91-57-6	
Methyl parathion	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 11:57	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	08/23/11 16:45	08/26/11 11:57	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	08/23/11 16:45	08/26/11 11:57		
1-Naphthalenamine	ND	ug/L	5.0	4.1	1	08/23/11 16:45	08/26/11 11:57	134-32-7	
2-Naphthalenamine	ND	ug/L	5.0	3.0	1	08/23/11 16:45	08/26/11 11:57	91-59-8	
1,4-Naphthoquinone	ND	ug/L	5.0	3.3	1	08/23/11 16:45	08/26/11 11:57	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 11:57	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 11:57	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 11:57	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 11:57	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 11:57	88-75-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-1 **Lab ID: 92100658004** Collected: 08/17/11 16:55 Received: 08/18/11 13:25 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								
4-Nitrophenol	ND	ug/L	50.0	4.1	1	08/23/11 16:45	08/26/11 11:57	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 11:57	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 11:57	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 11:57	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	7.5	1	08/23/11 16:45	08/26/11 11:57	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 11:57	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 11:57	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	4.7	1	08/23/11 16:45	08/26/11 11:57	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 11:57	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	6.9	1	08/23/11 16:45	08/26/11 11:57	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 11:57	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 11:57	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	4.3	1	08/23/11 16:45	08/26/11 11:57	608-93-5	
Pentachloronitrobenzene	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 11:57	82-68-8	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	08/23/11 16:45	08/26/11 11:57	87-86-5	
Phenacetin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 11:57	62-44-2	
Phenanthrene	ND	ug/L	10.0	0.22	1	08/23/11 16:45	08/26/11 11:57	85-01-8	
Phenol	ND	ug/L	10.0	1.9	1	08/23/11 16:45	08/26/11 11:57	108-95-2	
p-Phenylenediamine	ND	ug/L	10.0	6.7	1	08/23/11 16:45	08/26/11 11:57	106-50-3	
Phorate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 11:57	298-02-2	
Pronamide	ND	ug/L	10.0	5.8	1	08/23/11 16:45	08/26/11 11:57	23950-58-5	
Pyrene	ND	ug/L	10.0	0.19	1	08/23/11 16:45	08/26/11 11:57	129-00-0	
Safrole	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 11:57	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	4.0	1	08/23/11 16:45	08/26/11 11:57	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 11:57	58-90-2	
Thionazin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 11:57	297-97-2	
O-Toluidine	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 11:57	95-53-4	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 11:57	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 11:57	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 11:57	99-35-4	
Nitrobenzene-d5 (S)	57	%	21-110		1	08/23/11 16:45	08/26/11 11:57	4165-60-0	
2-Fluorobiphenyl (S)	59	%	27-110		1	08/23/11 16:45	08/26/11 11:57	321-60-8	
Terphenyl-d14 (S)	73	%	31-107		1	08/23/11 16:45	08/26/11 11:57	1718-51-0	
Phenol-d6 (S)	24	%	10-110		1	08/23/11 16:45	08/26/11 11:57	13127-88-3	
2-Fluorophenol (S)	35	%	12-110		1	08/23/11 16:45	08/26/11 11:57	367-12-4	
2,4,6-Tribromophenol (S)	68	%	27-110		1	08/23/11 16:45	08/26/11 11:57	118-79-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/19/11 20:00	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/19/11 20:00	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/19/11 20:00	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 20:00	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/19/11 20:00	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		08/19/11 20:00	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 20:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 20:00	75-27-4	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-1 **Lab ID: 92100658004** Collected: 08/17/11 16:55 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 20:00	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 20:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 20:00	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/19/11 20:00	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 20:00	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/19/11 20:00	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 20:00	75-00-3	
Chloroform	**0.49J**	ug/L	5.0	0.14	1		08/19/11 20:00	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/19/11 20:00	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/19/11 20:00	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 20:00	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 20:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 20:00	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 20:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/19/11 20:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		08/19/11 20:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 20:00	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 20:00	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		08/19/11 20:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 20:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 20:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 20:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 20:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 20:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 20:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 20:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/19/11 20:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/19/11 20:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 20:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 20:00	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 20:00	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/19/11 20:00	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/19/11 20:00	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 20:00	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 20:00	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/19/11 20:00	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/19/11 20:00	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/19/11 20:00	75-09-2	
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/19/11 20:00	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 20:00	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		08/19/11 20:00	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/19/11 20:00	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 20:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 20:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 20:00	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 20:00	127-18-4	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-1 **Lab ID: 92100658004** Collected: 08/17/11 16:55 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 20:00	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/19/11 20:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 20:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 20:00	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 20:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 20:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 20:00	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 20:00	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 20:00	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 20:00	1330-20-7	
4-Bromofluorobenzene (S)	96	%	70-130		1		08/19/11 20:00	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		1		08/19/11 20:00	1868-53-7	
1,2-Dichloroethane-d4 (S)	124	%	70-130		1		08/19/11 20:00	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		08/19/11 20:00	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	ND	ug/L	5000	5000	1		08/20/11 16:00		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	ug/L	1000	100	1		08/23/11 09:45	18496-25-8	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	ND	ug/L	2000	2000	1	08/19/11 12:02	08/24/11 10:09		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	ND	ug/L	250000	5000	1		08/24/11 14:41	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	ND	ug/L	10000	200	1		08/19/11 00:08		
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	ND	ug/L	5000	5000	1		08/29/11 10:58	16887-00-6	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	10.0	1		08/30/11 15:09	57-12-5	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	ND	ug/L	25000	25000	1		08/29/11 13:49		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**1160**	ug/L	1000	1000	1		08/26/11 15:32	7440-44-0	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-8 **Lab ID: 92100658005** Collected: 08/17/11 12:30 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:36	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:36	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:36	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:36	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:36	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.20	1	08/23/11 16:00	08/25/11 19:36	57-74-9	
4,4'-DDD	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:36	72-54-8	
4,4'-DDE	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:36	72-55-9	
4,4'-DDT	**0.12**	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:36	50-29-3	
Dieldrin	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 19:36	60-57-1	
Endosulfan I	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:36	959-98-8	
Endosulfan II	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:36	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:36	1031-07-8	
Endrin	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:36	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:36	7421-93-4	
Heptachlor	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:36	76-44-8	
Heptachlor epoxide	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 19:36	1024-57-3	
Methoxychlor	ND	ug/L	1.0	0.15	1	08/23/11 16:00	08/25/11 19:36	72-43-5	
Toxaphene	ND	ug/L	1.5	0.20	1	08/23/11 16:00	08/25/11 19:36	8001-35-2	
Tetrachloro-m-xylene (S)	75	%	20-130		1	08/23/11 16:00	08/25/11 19:36	877-09-8	
Decachlorobiphenyl (S)	93	%	20-130		1	08/23/11 16:00	08/25/11 19:36	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 18:10	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 18:10	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 18:10	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 18:10	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 18:10	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 18:10	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 18:10	11096-82-5	
Decachlorobiphenyl (S)	80	%	10-132		1	08/23/11 16:00	08/25/11 18:10	2051-24-3	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151								
2,4-D	ND	ug/L	2.0	0.22	1	08/23/11 16:00	08/30/11 06:49	94-75-7	
Dinoseb	ND	ug/L	1.0	0.057	1	08/23/11 16:00	08/30/11 06:49	88-85-7	
2,4,5-T	ND	ug/L	2.0	0.042	1	08/23/11 16:00	08/30/11 06:49	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	2.0	0.049	1	08/23/11 16:00	08/30/11 06:49	93-72-1	
2,4-DCPA (S)	110	%	65.5-125.7		1	08/23/11 16:00	08/30/11 06:49	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	5.0	1	08/24/11 12:20	08/26/11 05:29	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:29	7440-38-2	
Barium	**100**	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 05:29	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 05:29	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 05:29	7440-43-9	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-8 **Lab ID: 92100658005** Collected: 08/17/11 12:30 Received: 08/18/11 13:25 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						
Chromium	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:29	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:29	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:29	7440-50-8	
Iron	**2330**	ug/L	300	50.0	1	08/24/11 12:20	08/26/11 05:29	7439-89-6	
Lead	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:29	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	08/24/11 12:20	08/26/11 05:29	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 05:29	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:29	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	08/24/11 12:20	08/26/11 19:46	7440-28-0	
Tin	ND	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 05:29	7440-31-5	
Vanadium	ND	ug/L	25.0	5.0	1	08/24/11 12:20	08/26/11 05:29	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 05:29	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	**0.21**	ug/L	0.20	0.10	1	08/24/11 12:50	08/26/11 14:29	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270		Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	10.0	0.25	1	08/23/11 16:45	08/26/11 12:35	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 12:35	208-96-8	
Acetophenone	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 12:35	98-86-2	
2-Acetylaminofluorene	ND	ug/L	20.0	5.8	1	08/23/11 16:45	08/26/11 12:35	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 12:35	92-67-1	
Anthracene	ND	ug/L	10.0	0.14	1	08/23/11 16:45	08/26/11 12:35	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.33	1	08/23/11 16:45	08/26/11 12:35	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.30	1	08/23/11 16:45	08/26/11 12:35	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 12:35	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.38	1	08/23/11 16:45	08/26/11 12:35	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.43	1	08/23/11 16:45	08/26/11 12:35	207-08-9	
Benzyl alcohol	ND	ug/L	20.0	2.4	1	08/23/11 16:45	08/26/11 12:35	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	08/23/11 16:45	08/26/11 12:35	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	08/23/11 16:45	08/26/11 12:35	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	08/23/11 16:45	08/26/11 12:35	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	08/23/11 16:45	08/26/11 12:35	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	4.5	1	08/23/11 16:45	08/26/11 12:35	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 12:35	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 12:35	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.95	1	08/23/11 16:45	08/26/11 12:35	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 12:35	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 12:35	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	08/23/11 16:45	08/26/11 12:35	7005-72-3	
Chrysene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 12:35	218-01-9	
Diallate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 12:35	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.55	1	08/23/11 16:45	08/26/11 12:35	53-70-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 12:35	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 12:35	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	08/23/11 16:45	08/26/11 12:35	120-83-2	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-8 **Lab ID: 92100658005** Collected: 08/17/11 12:30 Received: 08/18/11 13:25 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								
2,6-Dichlorophenol	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 12:35	87-65-0	
Diethylphthalate	ND	ug/L	10.0	0.58	1	08/23/11 16:45	08/26/11 12:35	84-66-2	
Dimethoate	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 12:35	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	5.0	2.7	1	08/23/11 16:45	08/26/11 12:35	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 12:35	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	10.0	9.6	1	08/23/11 16:45	08/26/11 12:35	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 12:35	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	08/23/11 16:45	08/26/11 12:35	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	08/23/11 16:45	08/26/11 12:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	2.6	1	08/23/11 16:45	08/26/11 12:35	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	20.0	5.1	1	08/23/11 16:45	08/26/11 12:35	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	08/23/11 16:45	08/26/11 12:35	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	08/23/11 16:45	08/26/11 12:35	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 12:35	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	08/23/11 16:45	08/26/11 12:35	117-84-0	
Diphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 12:35	122-39-4	
Disulfoton	ND	ug/L	10.0	5.5	1	08/23/11 16:45	08/26/11 12:35	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	15.0	0.79	1	08/23/11 16:45	08/26/11 12:35	117-81-7	
Ethyl methanesulfonate	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 12:35	62-50-0	
Famphur	ND	ug/L	10.0	3.7	1	08/23/11 16:45	08/26/11 12:35	52-85-7	
Fluoranthene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 12:35	206-44-0	
Fluorene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 12:35	86-73-7	
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	08/23/11 16:45	08/26/11 12:35	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	08/23/11 16:45	08/26/11 12:35	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 12:35	67-72-1	
Hexachloropropene	ND	ug/L	10.0	3.2	1	08/23/11 16:45	08/26/11 12:35	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.29	1	08/23/11 16:45	08/26/11 12:35	193-39-5	
Isodrin	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 12:35	465-73-6	
Isophorone	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 12:35	78-59-1	
Isosafrole	ND	ug/L	10.0	4.4	1	08/23/11 16:45	08/26/11 12:35	120-58-1	
Kepone	ND	ug/L	10.0	8.3	1	08/23/11 16:45	08/26/11 12:35	143-50-0	
Methapyrilene	ND	ug/L	100	5.8	1	08/23/11 16:45	08/26/11 12:35	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	2.6	1	08/23/11 16:45	08/26/11 12:35	56-49-5	
Methyl methanesulfonate	ND	ug/L	5.0	3.7	1	08/23/11 16:45	08/26/11 12:35	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 12:35	91-57-6	
Methyl parathion	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 12:35	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	08/23/11 16:45	08/26/11 12:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	08/23/11 16:45	08/26/11 12:35		
1-Naphthalenamine	ND	ug/L	5.0	4.1	1	08/23/11 16:45	08/26/11 12:35	134-32-7	
2-Naphthalenamine	ND	ug/L	5.0	3.0	1	08/23/11 16:45	08/26/11 12:35	91-59-8	
1,4-Naphthoquinone	ND	ug/L	5.0	3.3	1	08/23/11 16:45	08/26/11 12:35	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 12:35	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 12:35	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 12:35	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 12:35	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 12:35	88-75-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-8 **Lab ID: 92100658005** Collected: 08/17/11 12:30 Received: 08/18/11 13:25 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								
4-Nitrophenol	ND	ug/L	50.0	4.1	1	08/23/11 16:45	08/26/11 12:35	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 12:35	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 12:35	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 12:35	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	7.5	1	08/23/11 16:45	08/26/11 12:35	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 12:35	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 12:35	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	4.7	1	08/23/11 16:45	08/26/11 12:35	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 12:35	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	6.9	1	08/23/11 16:45	08/26/11 12:35	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 12:35	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 12:35	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	4.3	1	08/23/11 16:45	08/26/11 12:35	608-93-5	
Pentachloronitrobenzene	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 12:35	82-68-8	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	08/23/11 16:45	08/26/11 12:35	87-86-5	
Phenacetin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 12:35	62-44-2	
Phenanthrene	ND	ug/L	10.0	0.22	1	08/23/11 16:45	08/26/11 12:35	85-01-8	
Phenol	ND	ug/L	10.0	1.9	1	08/23/11 16:45	08/26/11 12:35	108-95-2	
p-Phenylenediamine	ND	ug/L	10.0	6.7	1	08/23/11 16:45	08/26/11 12:35	106-50-3	
Phorate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 12:35	298-02-2	
Pronamide	ND	ug/L	10.0	5.8	1	08/23/11 16:45	08/26/11 12:35	23950-58-5	
Pyrene	ND	ug/L	10.0	0.19	1	08/23/11 16:45	08/26/11 12:35	129-00-0	
Safrole	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 12:35	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	4.0	1	08/23/11 16:45	08/26/11 12:35	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 12:35	58-90-2	
Thionazin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 12:35	297-97-2	
O-Toluidine	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 12:35	95-53-4	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 12:35	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 12:35	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 12:35	99-35-4	
Nitrobenzene-d5 (S)	71	%	21-110		1	08/23/11 16:45	08/26/11 12:35	4165-60-0	
2-Fluorobiphenyl (S)	69	%	27-110		1	08/23/11 16:45	08/26/11 12:35	321-60-8	
Terphenyl-d14 (S)	79	%	31-107		1	08/23/11 16:45	08/26/11 12:35	1718-51-0	
Phenol-d6 (S)	27	%	10-110		1	08/23/11 16:45	08/26/11 12:35	13127-88-3	
2-Fluorophenol (S)	41	%	12-110		1	08/23/11 16:45	08/26/11 12:35	367-12-4	
2,4,6-Tribromophenol (S)	77	%	27-110		1	08/23/11 16:45	08/26/11 12:35	118-79-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/19/11 20:25	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/19/11 20:25	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/19/11 20:25	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 20:25	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/19/11 20:25	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		08/19/11 20:25	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 20:25	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 20:25	75-27-4	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-8 **Lab ID: 92100658005** Collected: 08/17/11 12:30 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 20:25	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 20:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 20:25	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/19/11 20:25	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 20:25	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/19/11 20:25	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 20:25	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/19/11 20:25	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/19/11 20:25	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/19/11 20:25	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 20:25	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 20:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 20:25	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 20:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/19/11 20:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		08/19/11 20:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 20:25	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 20:25	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		08/19/11 20:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 20:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 20:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 20:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 20:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 20:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 20:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 20:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/19/11 20:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/19/11 20:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 20:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 20:25	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 20:25	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/19/11 20:25	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/19/11 20:25	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 20:25	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 20:25	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/19/11 20:25	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/19/11 20:25	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/19/11 20:25	75-09-2	
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/19/11 20:25	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 20:25	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		08/19/11 20:25	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/19/11 20:25	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 20:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 20:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 20:25	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 20:25	127-18-4	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-8 **Lab ID: 92100658005** Collected: 08/17/11 12:30 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 20:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/19/11 20:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 20:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 20:25	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 20:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 20:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 20:25	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 20:25	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 20:25	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 20:25	1330-20-7	
4-Bromofluorobenzene (S)	97	%	70-130		1		08/19/11 20:25	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		08/19/11 20:25	1868-53-7	
1,2-Dichloroethane-d4 (S)	124	%	70-130		1		08/19/11 20:25	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		08/19/11 20:25	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	ND	ug/L	5000	5000	1		08/20/11 16:00		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	ug/L	1000	100	1		08/23/11 09:45	18496-25-8	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	ND	ug/L	2000	2000	1	08/19/11 12:02	08/24/11 10:09		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	ND	ug/L	250000	5000	1		08/24/11 14:54	14808-79-8	M1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**422J**	ug/L	10000	200	1		08/18/11 23:52		
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**8060**	ug/L	5000	5000	1		08/29/11 11:01	16887-00-6	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	10.0	1		08/30/11 15:14	57-12-5	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	ND	ug/L	25000	25000	1		08/29/11 13:49		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**1890**	ug/L	1000	1000	1		08/26/11 15:42	7440-44-0	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-4 **Lab ID: 92100658006** Collected: 08/17/11 14:00 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:53	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:53	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:53	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:53	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:53	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.20	1	08/23/11 16:00	08/25/11 19:53	57-74-9	
4,4'-DDD	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:53	72-54-8	
4,4'-DDE	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:53	72-55-9	
4,4'-DDT	**0.44**	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:53	50-29-3	
Dieldrin	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 19:53	60-57-1	
Endosulfan I	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:53	959-98-8	
Endosulfan II	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:53	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:53	1031-07-8	
Endrin	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:53	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:53	7421-93-4	
Heptachlor	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:53	76-44-8	
Heptachlor epoxide	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 19:53	1024-57-3	
Methoxychlor	ND	ug/L	1.0	0.15	1	08/23/11 16:00	08/25/11 19:53	72-43-5	
Toxaphene	ND	ug/L	1.5	0.20	1	08/23/11 16:00	08/25/11 19:53	8001-35-2	
Tetrachloro-m-xylene (S)	60	%	20-130		1	08/23/11 16:00	08/25/11 19:53	877-09-8	
Decachlorobiphenyl (S)	103	%	20-130		1	08/23/11 16:00	08/25/11 19:53	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/26/11 13:18	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/26/11 13:18	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/26/11 13:18	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/26/11 13:18	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/26/11 13:18	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/26/11 13:18	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/26/11 13:18	11096-82-5	
Decachlorobiphenyl (S)	73	%	10-132		1	08/23/11 16:00	08/26/11 13:18	2051-24-3	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151								
2,4-D	ND	ug/L	2.0	0.22	1	08/23/11 16:00	08/30/11 07:20	94-75-7	
Dinoseb	ND	ug/L	1.0	0.057	1	08/23/11 16:00	08/30/11 07:20	88-85-7	
2,4,5-T	ND	ug/L	2.0	0.042	1	08/23/11 16:00	08/30/11 07:20	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	2.0	0.049	1	08/23/11 16:00	08/30/11 07:20	93-72-1	
2,4-DCPA (S)	124	%	65.5-125.7		1	08/23/11 16:00	08/30/11 07:20	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	5.0	1	08/24/11 12:20	08/26/11 05:33	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:33	7440-38-2	
Barium	**84.5J**	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 05:33	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 05:33	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 05:33	7440-43-9	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-4 **Lab ID: 92100658006** Collected: 08/17/11 14:00 Received: 08/18/11 13:25 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						
Chromium	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:33	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:33	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:33	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:33	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	08/24/11 12:20	08/26/11 05:33	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 05:33	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:33	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	08/24/11 12:20	08/26/11 19:50	7440-28-0	
Tin	ND	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 05:33	7440-31-5	
Vanadium	ND	ug/L	25.0	5.0	1	08/24/11 12:20	08/26/11 05:33	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 05:33	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.10	1	08/24/11 12:50	08/26/11 14:32	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270		Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	10.0	0.25	1	08/23/11 16:45	08/26/11 13:12	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 13:12	208-96-8	
Acetophenone	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 13:12	98-86-2	
2-Acetylaminofluorene	ND	ug/L	20.0	5.8	1	08/23/11 16:45	08/26/11 13:12	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 13:12	92-67-1	
Anthracene	ND	ug/L	10.0	0.14	1	08/23/11 16:45	08/26/11 13:12	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.33	1	08/23/11 16:45	08/26/11 13:12	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.30	1	08/23/11 16:45	08/26/11 13:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 13:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.38	1	08/23/11 16:45	08/26/11 13:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.43	1	08/23/11 16:45	08/26/11 13:12	207-08-9	
Benzyl alcohol	ND	ug/L	20.0	2.4	1	08/23/11 16:45	08/26/11 13:12	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	08/23/11 16:45	08/26/11 13:12	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	08/23/11 16:45	08/26/11 13:12	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	08/23/11 16:45	08/26/11 13:12	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	08/23/11 16:45	08/26/11 13:12	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	4.5	1	08/23/11 16:45	08/26/11 13:12	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 13:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 13:12	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.95	1	08/23/11 16:45	08/26/11 13:12	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 13:12	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 13:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	08/23/11 16:45	08/26/11 13:12	7005-72-3	
Chrysene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 13:12	218-01-9	
Diallate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 13:12	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.55	1	08/23/11 16:45	08/26/11 13:12	53-70-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 13:12	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 13:12	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	08/23/11 16:45	08/26/11 13:12	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 13:12	87-65-0	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-4 **Lab ID: 92100658006** Collected: 08/17/11 14:00 Received: 08/18/11 13:25 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								
Diethylphthalate	ND	ug/L	10.0	0.58	1	08/23/11 16:45	08/26/11 13:12	84-66-2	
Dimethoate	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 13:12	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	5.0	2.7	1	08/23/11 16:45	08/26/11 13:12	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 13:12	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	10.0	9.6	1	08/23/11 16:45	08/26/11 13:12	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 13:12	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	08/23/11 16:45	08/26/11 13:12	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	08/23/11 16:45	08/26/11 13:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	2.6	1	08/23/11 16:45	08/26/11 13:12	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	20.0	5.1	1	08/23/11 16:45	08/26/11 13:12	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	08/23/11 16:45	08/26/11 13:12	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	08/23/11 16:45	08/26/11 13:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 13:12	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	08/23/11 16:45	08/26/11 13:12	117-84-0	
Diphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 13:12	122-39-4	
Disulfoton	ND	ug/L	10.0	5.5	1	08/23/11 16:45	08/26/11 13:12	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	15.0	0.79	1	08/23/11 16:45	08/26/11 13:12	117-81-7	
Ethyl methanesulfonate	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 13:12	62-50-0	
Famphur	ND	ug/L	10.0	3.7	1	08/23/11 16:45	08/26/11 13:12	52-85-7	
Fluoranthene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 13:12	206-44-0	
Fluorene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 13:12	86-73-7	
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	08/23/11 16:45	08/26/11 13:12	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	08/23/11 16:45	08/26/11 13:12	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 13:12	67-72-1	
Hexachloropropene	ND	ug/L	10.0	3.2	1	08/23/11 16:45	08/26/11 13:12	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.29	1	08/23/11 16:45	08/26/11 13:12	193-39-5	
Isodrin	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 13:12	465-73-6	
Isophorone	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 13:12	78-59-1	
Isosafrole	ND	ug/L	10.0	4.4	1	08/23/11 16:45	08/26/11 13:12	120-58-1	
Kepone	ND	ug/L	10.0	8.3	1	08/23/11 16:45	08/26/11 13:12	143-50-0	
Methapyrilene	ND	ug/L	100	5.8	1	08/23/11 16:45	08/26/11 13:12	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	2.6	1	08/23/11 16:45	08/26/11 13:12	56-49-5	
Methyl methanesulfonate	ND	ug/L	5.0	3.7	1	08/23/11 16:45	08/26/11 13:12	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 13:12	91-57-6	
Methyl parathion	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 13:12	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	08/23/11 16:45	08/26/11 13:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	08/23/11 16:45	08/26/11 13:12		
2-Naphthalenamine	ND	ug/L	5.0	3.0	1	08/23/11 16:45	08/26/11 13:12	91-59-8	
1-Naphthalenamine	ND	ug/L	5.0	4.1	1	08/23/11 16:45	08/26/11 13:12	134-32-7	
1,4-Naphthoquinone	ND	ug/L	5.0	3.3	1	08/23/11 16:45	08/26/11 13:12	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 13:12	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 13:12	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 13:12	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 13:12	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 13:12	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	4.1	1	08/23/11 16:45	08/26/11 13:12	100-02-7	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-4 **Lab ID: 92100658006** Collected: 08/17/11 14:00 Received: 08/18/11 13:25 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								
5-Nitro-o-toluidine	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 13:12	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 13:12	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 13:12	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	7.5	1	08/23/11 16:45	08/26/11 13:12	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 13:12	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 13:12	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	4.7	1	08/23/11 16:45	08/26/11 13:12	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 13:12	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	6.9	1	08/23/11 16:45	08/26/11 13:12	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 13:12	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 13:12	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	4.3	1	08/23/11 16:45	08/26/11 13:12	608-93-5	
Pentachloronitrobenzene	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 13:12	82-68-8	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	08/23/11 16:45	08/26/11 13:12	87-86-5	
Phenacetin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 13:12	62-44-2	
Phenanthrene	ND	ug/L	10.0	0.22	1	08/23/11 16:45	08/26/11 13:12	85-01-8	
Phenol	ND	ug/L	10.0	1.9	1	08/23/11 16:45	08/26/11 13:12	108-95-2	
p-Phenylenediamine	ND	ug/L	10.0	6.7	1	08/23/11 16:45	08/26/11 13:12	106-50-3	
Phorate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 13:12	298-02-2	
Pronamide	ND	ug/L	10.0	5.8	1	08/23/11 16:45	08/26/11 13:12	23950-58-5	
Pyrene	ND	ug/L	10.0	0.19	1	08/23/11 16:45	08/26/11 13:12	129-00-0	
Safrole	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 13:12	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	4.0	1	08/23/11 16:45	08/26/11 13:12	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 13:12	58-90-2	
Thionazin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 13:12	297-97-2	
O-Toluidine	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 13:12	95-53-4	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 13:12	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 13:12	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 13:12	99-35-4	
Nitrobenzene-d5 (S)	55	%	21-110		1	08/23/11 16:45	08/26/11 13:12	4165-60-0	
2-Fluorobiphenyl (S)	56	%	27-110		1	08/23/11 16:45	08/26/11 13:12	321-60-8	
Terphenyl-d14 (S)	76	%	31-107		1	08/23/11 16:45	08/26/11 13:12	1718-51-0	
Phenol-d6 (S)	24	%	10-110		1	08/23/11 16:45	08/26/11 13:12	13127-88-3	
2-Fluorophenol (S)	34	%	12-110		1	08/23/11 16:45	08/26/11 13:12	367-12-4	
2,4,6-Tribromophenol (S)	76	%	27-110		1	08/23/11 16:45	08/26/11 13:12	118-79-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/19/11 20:51	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/19/11 20:51	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/19/11 20:51	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 20:51	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/19/11 20:51	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		08/19/11 20:51	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 20:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 20:51	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 20:51	75-25-2	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-4 **Lab ID: 92100658006** Collected: 08/17/11 14:00 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 20:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 20:51	78-93-3	
Carbon disulfide	**4.6J**	ug/L	100	1.2	1		08/19/11 20:51	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 20:51	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/19/11 20:51	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 20:51	75-00-3	
Chloroform	**0.18J**	ug/L	5.0	0.14	1		08/19/11 20:51	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/19/11 20:51	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/19/11 20:51	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 20:51	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 20:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 20:51	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 20:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/19/11 20:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		08/19/11 20:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 20:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 20:51	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		08/19/11 20:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 20:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 20:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 20:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 20:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 20:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 20:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 20:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/19/11 20:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/19/11 20:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 20:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 20:51	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 20:51	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/19/11 20:51	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/19/11 20:51	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 20:51	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 20:51	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/19/11 20:51	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/19/11 20:51	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/19/11 20:51	75-09-2	
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/19/11 20:51	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 20:51	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		08/19/11 20:51	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/19/11 20:51	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 20:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 20:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 20:51	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 20:51	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 20:51	108-88-3	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-4 **Lab ID: 92100658006** Collected: 08/17/11 14:00 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/19/11 20:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 20:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 20:51	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 20:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 20:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 20:51	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 20:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 20:51	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 20:51	1330-20-7	
4-Bromofluorobenzene (S)	98	%	70-130		1		08/19/11 20:51	460-00-4	
Dibromofluoromethane (S)	119	%	70-130		1		08/19/11 20:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	126	%	70-130		1		08/19/11 20:51	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		08/19/11 20:51	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	ug/L	1000	100	1		08/23/11 09:45	18496-25-8	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	10.0	1		08/30/11 15:15	57-12-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-5 **Lab ID: 92100658007** Collected: 08/17/11 16:20 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 20:10	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 20:10	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 20:10	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 20:10	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 20:10	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.20	1	08/23/11 16:00	08/25/11 20:10	57-74-9	
4,4'-DDD	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 20:10	72-54-8	
4,4'-DDE	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 20:10	72-55-9	
4,4'-DDT	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 20:10	50-29-3	
Dieldrin	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 20:10	60-57-1	
Endosulfan I	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 20:10	959-98-8	
Endosulfan II	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 20:10	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 20:10	1031-07-8	
Endrin	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 20:10	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 20:10	7421-93-4	
Heptachlor	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 20:10	76-44-8	
Heptachlor epoxide	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 20:10	1024-57-3	
Methoxychlor	ND	ug/L	1.0	0.15	1	08/23/11 16:00	08/25/11 20:10	72-43-5	
Toxaphene	ND	ug/L	1.5	0.20	1	08/23/11 16:00	08/25/11 20:10	8001-35-2	
Tetrachloro-m-xylene (S)	77	%	20-130		1	08/23/11 16:00	08/25/11 20:10	877-09-8	
Decachlorobiphenyl (S)	88	%	20-130		1	08/23/11 16:00	08/25/11 20:10	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 18:49	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 18:49	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 18:49	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 18:49	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 18:49	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 18:49	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 18:49	11096-82-5	
Decachlorobiphenyl (S)	75	%	10-132		1	08/23/11 16:00	08/25/11 18:49	2051-24-3	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151								
2,4-D	ND	ug/L	2.0	0.22	1	08/23/11 16:00	08/30/11 07:51	94-75-7	
Dinoseb	ND	ug/L	1.0	0.057	1	08/23/11 16:00	08/30/11 07:51	88-85-7	
2,4,5-T	ND	ug/L	2.0	0.042	1	08/23/11 16:00	08/30/11 07:51	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	2.0	0.049	1	08/23/11 16:00	08/30/11 07:51	93-72-1	
2,4-DCPA (S)	118	%	65.5-125.7		1	08/23/11 16:00	08/30/11 07:51	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	5.0	1	08/24/11 12:20	08/26/11 05:36	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:36	7440-38-2	
Barium	**59.8J**	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 05:36	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 05:36	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 05:36	7440-43-9	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-5 **Lab ID: 92100658007** Collected: 08/17/11 16:20 Received: 08/18/11 13:25 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						
Chromium	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:36	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:36	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:36	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:36	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	08/24/11 12:20	08/26/11 05:36	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 05:36	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:36	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	08/24/11 12:20	08/26/11 19:53	7440-28-0	
Tin	ND	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 05:36	7440-31-5	
Vanadium	**15.3J**	ug/L	25.0	5.0	1	08/24/11 12:20	08/26/11 05:36	7440-62-2	
Zinc	**23.0**	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 05:36	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.10	1	08/24/11 12:50	08/26/11 14:34	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270		Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	10.0	0.25	1	08/23/11 16:45	08/26/11 13:50	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 13:50	208-96-8	
Acetophenone	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 13:50	98-86-2	
2-Acetylaminofluorene	ND	ug/L	20.0	5.8	1	08/23/11 16:45	08/26/11 13:50	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 13:50	92-67-1	
Anthracene	ND	ug/L	10.0	0.14	1	08/23/11 16:45	08/26/11 13:50	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.33	1	08/23/11 16:45	08/26/11 13:50	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.30	1	08/23/11 16:45	08/26/11 13:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 13:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.38	1	08/23/11 16:45	08/26/11 13:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.43	1	08/23/11 16:45	08/26/11 13:50	207-08-9	
Benzyl alcohol	ND	ug/L	20.0	2.4	1	08/23/11 16:45	08/26/11 13:50	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	08/23/11 16:45	08/26/11 13:50	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	08/23/11 16:45	08/26/11 13:50	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	08/23/11 16:45	08/26/11 13:50	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	08/23/11 16:45	08/26/11 13:50	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	4.5	1	08/23/11 16:45	08/26/11 13:50	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 13:50	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 13:50	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.95	1	08/23/11 16:45	08/26/11 13:50	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 13:50	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 13:50	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	08/23/11 16:45	08/26/11 13:50	7005-72-3	
Chrysene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 13:50	218-01-9	
Diallate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 13:50	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.55	1	08/23/11 16:45	08/26/11 13:50	53-70-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 13:50	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 13:50	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	08/23/11 16:45	08/26/11 13:50	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 13:50	87-65-0	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-5 **Lab ID: 92100658007** Collected: 08/17/11 16:20 Received: 08/18/11 13:25 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								
Diethylphthalate	ND	ug/L	10.0	0.58	1	08/23/11 16:45	08/26/11 13:50	84-66-2	
Dimethoate	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 13:50	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	5.0	2.7	1	08/23/11 16:45	08/26/11 13:50	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 13:50	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	10.0	9.6	1	08/23/11 16:45	08/26/11 13:50	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 13:50	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	08/23/11 16:45	08/26/11 13:50	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	08/23/11 16:45	08/26/11 13:50	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	2.6	1	08/23/11 16:45	08/26/11 13:50	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	20.0	5.1	1	08/23/11 16:45	08/26/11 13:50	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	08/23/11 16:45	08/26/11 13:50	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	08/23/11 16:45	08/26/11 13:50	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 13:50	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	08/23/11 16:45	08/26/11 13:50	117-84-0	
Diphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 13:50	122-39-4	
Disulfoton	ND	ug/L	10.0	5.5	1	08/23/11 16:45	08/26/11 13:50	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	15.0	0.79	1	08/23/11 16:45	08/26/11 13:50	117-81-7	
Ethyl methanesulfonate	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 13:50	62-50-0	
Famphur	ND	ug/L	10.0	3.7	1	08/23/11 16:45	08/26/11 13:50	52-85-7	
Fluoranthene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 13:50	206-44-0	
Fluorene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 13:50	86-73-7	
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	08/23/11 16:45	08/26/11 13:50	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	08/23/11 16:45	08/26/11 13:50	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 13:50	67-72-1	
Hexachloropropene	ND	ug/L	10.0	3.2	1	08/23/11 16:45	08/26/11 13:50	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.29	1	08/23/11 16:45	08/26/11 13:50	193-39-5	
Isodrin	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 13:50	465-73-6	
Isophorone	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 13:50	78-59-1	
Isosafrole	ND	ug/L	10.0	4.4	1	08/23/11 16:45	08/26/11 13:50	120-58-1	
Kepone	ND	ug/L	10.0	8.3	1	08/23/11 16:45	08/26/11 13:50	143-50-0	
Methapyrilene	ND	ug/L	100	5.8	1	08/23/11 16:45	08/26/11 13:50	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	2.6	1	08/23/11 16:45	08/26/11 13:50	56-49-5	
Methyl methanesulfonate	ND	ug/L	5.0	3.7	1	08/23/11 16:45	08/26/11 13:50	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 13:50	91-57-6	
Methyl parathion	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 13:50	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	08/23/11 16:45	08/26/11 13:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	08/23/11 16:45	08/26/11 13:50		
2-Naphthalenamine	ND	ug/L	5.0	3.0	1	08/23/11 16:45	08/26/11 13:50	91-59-8	
1-Naphthalenamine	ND	ug/L	5.0	4.1	1	08/23/11 16:45	08/26/11 13:50	134-32-7	
1,4-Naphthoquinone	ND	ug/L	5.0	3.3	1	08/23/11 16:45	08/26/11 13:50	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 13:50	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 13:50	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 13:50	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 13:50	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 13:50	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	4.1	1	08/23/11 16:45	08/26/11 13:50	100-02-7	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-5 **Lab ID: 92100658007** Collected: 08/17/11 16:20 Received: 08/18/11 13:25 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								
5-Nitro-o-toluidine	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 13:50	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 13:50	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 13:50	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	7.5	1	08/23/11 16:45	08/26/11 13:50	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 13:50	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 13:50	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	4.7	1	08/23/11 16:45	08/26/11 13:50	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 13:50	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	6.9	1	08/23/11 16:45	08/26/11 13:50	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 13:50	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 13:50	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	4.3	1	08/23/11 16:45	08/26/11 13:50	608-93-5	
Pentachloronitrobenzene	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 13:50	82-68-8	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	08/23/11 16:45	08/26/11 13:50	87-86-5	
Phenacetin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 13:50	62-44-2	
Phenanthrene	ND	ug/L	10.0	0.22	1	08/23/11 16:45	08/26/11 13:50	85-01-8	
Phenol	ND	ug/L	10.0	1.9	1	08/23/11 16:45	08/26/11 13:50	108-95-2	
p-Phenylenediamine	ND	ug/L	10.0	6.7	1	08/23/11 16:45	08/26/11 13:50	106-50-3	
Phorate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 13:50	298-02-2	
Pronamide	ND	ug/L	10.0	5.8	1	08/23/11 16:45	08/26/11 13:50	23950-58-5	
Pyrene	ND	ug/L	10.0	0.19	1	08/23/11 16:45	08/26/11 13:50	129-00-0	
Safrole	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 13:50	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	4.0	1	08/23/11 16:45	08/26/11 13:50	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 13:50	58-90-2	
Thionazin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 13:50	297-97-2	
O-Toluidine	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 13:50	95-53-4	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 13:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 13:50	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 13:50	99-35-4	
Nitrobenzene-d5 (S)	41	%	21-110		1	08/23/11 16:45	08/26/11 13:50	4165-60-0	
2-Fluorobiphenyl (S)	50	%	27-110		1	08/23/11 16:45	08/26/11 13:50	321-60-8	
Terphenyl-d14 (S)	63	%	31-107		1	08/23/11 16:45	08/26/11 13:50	1718-51-0	
Phenol-d6 (S)	20	%	10-110		1	08/23/11 16:45	08/26/11 13:50	13127-88-3	
2-Fluorophenol (S)	28	%	12-110		1	08/23/11 16:45	08/26/11 13:50	367-12-4	
2,4,6-Tribromophenol (S)	62	%	27-110		1	08/23/11 16:45	08/26/11 13:50	118-79-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/19/11 21:16	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/19/11 21:16	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/19/11 21:16	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 21:16	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/19/11 21:16	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		08/19/11 21:16	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 21:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 21:16	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 21:16	75-25-2	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-5 **Lab ID: 92100658007** Collected: 08/17/11 16:20 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 21:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 21:16	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/19/11 21:16	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 21:16	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/19/11 21:16	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 21:16	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/19/11 21:16	67-66-3	
Chloromethane	**0.15J**	ug/L	1.0	0.11	1		08/19/11 21:16	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/19/11 21:16	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 21:16	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 21:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 21:16	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 21:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/19/11 21:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		08/19/11 21:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 21:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 21:16	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		08/19/11 21:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 21:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 21:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 21:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 21:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 21:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 21:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 21:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/19/11 21:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/19/11 21:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 21:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 21:16	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 21:16	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/19/11 21:16	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/19/11 21:16	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 21:16	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 21:16	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/19/11 21:16	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/19/11 21:16	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/19/11 21:16	75-09-2	
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/19/11 21:16	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 21:16	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		08/19/11 21:16	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/19/11 21:16	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 21:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 21:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 21:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 21:16	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 21:16	108-88-3	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-5 **Lab ID: 92100658007** Collected: 08/17/11 16:20 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/19/11 21:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 21:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 21:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 21:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 21:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 21:16	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 21:16	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 21:16	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 21:16	1330-20-7	
4-Bromofluorobenzene (S)	96	%	70-130		1		08/19/11 21:16	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		08/19/11 21:16	1868-53-7	
1,2-Dichloroethane-d4 (S)	123	%	70-130		1		08/19/11 21:16	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		08/19/11 21:16	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	ug/L	1000	100	1		08/23/11 09:45	18496-25-8	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	10.0	1		08/30/11 15:17	57-12-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-6 **Lab ID: 92100658008** Collected: 08/17/11 16:00 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:03	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:03	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:03	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:03	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:03	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.20	1	08/23/11 16:00	08/25/11 21:03	57-74-9	
4,4'-DDD	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:03	72-54-8	
4,4'-DDE	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:03	72-55-9	
4,4'-DDT	**0.12**	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:03	50-29-3	
Dieldrin	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 21:03	60-57-1	
Endosulfan I	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:03	959-98-8	
Endosulfan II	**0.11**	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:03	33213-65-9	
Endosulfan sulfate	**0.11**	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:03	1031-07-8	
Endrin	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:03	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:03	7421-93-4	
Heptachlor	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:03	76-44-8	
Heptachlor epoxide	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 21:03	1024-57-3	
Methoxychlor	ND	ug/L	1.0	0.15	1	08/23/11 16:00	08/25/11 21:03	72-43-5	
Toxaphene	ND	ug/L	1.5	0.20	1	08/23/11 16:00	08/25/11 21:03	8001-35-2	
Tetrachloro-m-xylene (S)	50	%	20-130		1	08/23/11 16:00	08/25/11 21:03	877-09-8	
Decachlorobiphenyl (S)	155	%	20-130		1	08/23/11 16:00	08/25/11 21:03	2051-24-3	S5
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/26/11 13:58	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/26/11 13:58	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/26/11 13:58	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/26/11 13:58	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/26/11 13:58	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/26/11 13:58	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/26/11 13:58	11096-82-5	
Decachlorobiphenyl (S)	66	%	10-132		1	08/23/11 16:00	08/26/11 13:58	2051-24-3	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151								
2,4-D	ND	ug/L	2.0	0.22	1	08/23/11 16:00	08/30/11 08:22	94-75-7	
Dinoseb	ND	ug/L	1.0	0.057	1	08/23/11 16:00	08/30/11 08:22	88-85-7	
2,4,5-T	ND	ug/L	2.0	0.042	1	08/23/11 16:00	08/30/11 08:22	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	2.0	0.049	1	08/23/11 16:00	08/30/11 08:22	93-72-1	
2,4-DCPA (S)	115	%	65.5-125.7		1	08/23/11 16:00	08/30/11 08:22	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	5.0	1	08/24/11 10:40	08/26/11 16:43	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	08/24/11 10:40	08/29/11 14:43	7440-38-2	
Barium	**118**	ug/L	100	5.0	1	08/24/11 10:40	08/26/11 16:43	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	08/24/11 10:40	08/26/11 16:43	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	08/24/11 10:40	08/26/11 16:43	7440-43-9	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-6 **Lab ID: 92100658008** Collected: 08/17/11 16:00 Received: 08/18/11 13:25 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						
Chromium	ND	ug/L	10.0	5.0	1	08/24/11 10:40	08/26/11 16:43	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	08/24/11 10:40	08/26/11 16:43	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	08/24/11 10:40	08/26/11 16:43	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	08/24/11 10:40	08/26/11 16:43	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	08/24/11 10:40	08/26/11 16:43	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	08/24/11 10:40	08/26/11 16:43	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	08/24/11 10:40	08/26/11 16:43	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	08/24/11 10:40	08/26/11 16:43	7440-28-0	
Tin	ND	ug/L	100	5.0	1	08/24/11 10:40	08/26/11 16:43	7440-31-5	
Vanadium	**5.2J**	ug/L	25.0	5.0	1	08/24/11 10:40	08/26/11 16:43	7440-62-2	
Zinc	**12.4**	ug/L	10.0	10.0	1	08/24/11 10:40	08/26/11 16:43	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.10	1	08/26/11 11:35	08/30/11 13:27	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270		Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	10.0	0.25	1	08/23/11 16:45	08/26/11 14:28	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 14:28	208-96-8	
Acetophenone	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 14:28	98-86-2	
2-Acetylaminofluorene	ND	ug/L	20.0	5.8	1	08/23/11 16:45	08/26/11 14:28	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 14:28	92-67-1	
Anthracene	ND	ug/L	10.0	0.14	1	08/23/11 16:45	08/26/11 14:28	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.33	1	08/23/11 16:45	08/26/11 14:28	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.30	1	08/23/11 16:45	08/26/11 14:28	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 14:28	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.38	1	08/23/11 16:45	08/26/11 14:28	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.43	1	08/23/11 16:45	08/26/11 14:28	207-08-9	
Benzyl alcohol	ND	ug/L	20.0	2.4	1	08/23/11 16:45	08/26/11 14:28	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	08/23/11 16:45	08/26/11 14:28	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	08/23/11 16:45	08/26/11 14:28	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	08/23/11 16:45	08/26/11 14:28	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	08/23/11 16:45	08/26/11 14:28	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	4.5	1	08/23/11 16:45	08/26/11 14:28	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 14:28	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 14:28	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.95	1	08/23/11 16:45	08/26/11 14:28	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 14:28	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 14:28	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	08/23/11 16:45	08/26/11 14:28	7005-72-3	
Chrysene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 14:28	218-01-9	
Diallate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 14:28	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.55	1	08/23/11 16:45	08/26/11 14:28	53-70-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 14:28	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 14:28	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	08/23/11 16:45	08/26/11 14:28	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 14:28	87-65-0	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-6 **Lab ID: 92100658008** Collected: 08/17/11 16:00 Received: 08/18/11 13:25 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								
Diethylphthalate	ND	ug/L	10.0	0.58	1	08/23/11 16:45	08/26/11 14:28	84-66-2	
Dimethoate	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 14:28	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	5.0	2.7	1	08/23/11 16:45	08/26/11 14:28	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 14:28	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	10.0	9.6	1	08/23/11 16:45	08/26/11 14:28	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 14:28	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	08/23/11 16:45	08/26/11 14:28	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	08/23/11 16:45	08/26/11 14:28	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	2.6	1	08/23/11 16:45	08/26/11 14:28	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	20.0	5.1	1	08/23/11 16:45	08/26/11 14:28	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	08/23/11 16:45	08/26/11 14:28	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	08/23/11 16:45	08/26/11 14:28	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 14:28	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	08/23/11 16:45	08/26/11 14:28	117-84-0	
Diphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 14:28	122-39-4	
Disulfoton	ND	ug/L	10.0	5.5	1	08/23/11 16:45	08/26/11 14:28	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	15.0	0.79	1	08/23/11 16:45	08/26/11 14:28	117-81-7	
Ethyl methanesulfonate	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 14:28	62-50-0	
Famphur	ND	ug/L	10.0	3.7	1	08/23/11 16:45	08/26/11 14:28	52-85-7	
Fluoranthene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 14:28	206-44-0	
Fluorene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 14:28	86-73-7	
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	08/23/11 16:45	08/26/11 14:28	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	08/23/11 16:45	08/26/11 14:28	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 14:28	67-72-1	
Hexachloropropene	ND	ug/L	10.0	3.2	1	08/23/11 16:45	08/26/11 14:28	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.29	1	08/23/11 16:45	08/26/11 14:28	193-39-5	
Isodrin	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 14:28	465-73-6	
Isophorone	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 14:28	78-59-1	
Isosafrole	ND	ug/L	10.0	4.4	1	08/23/11 16:45	08/26/11 14:28	120-58-1	
Kepone	ND	ug/L	10.0	8.3	1	08/23/11 16:45	08/26/11 14:28	143-50-0	
Methapyrilene	ND	ug/L	100	5.8	1	08/23/11 16:45	08/26/11 14:28	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	2.6	1	08/23/11 16:45	08/26/11 14:28	56-49-5	
Methyl methanesulfonate	ND	ug/L	5.0	3.7	1	08/23/11 16:45	08/26/11 14:28	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 14:28	91-57-6	
Methyl parathion	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 14:28	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	08/23/11 16:45	08/26/11 14:28	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	08/23/11 16:45	08/26/11 14:28		
2-Naphthalenamine	ND	ug/L	5.0	3.0	1	08/23/11 16:45	08/26/11 14:28	91-59-8	
1-Naphthalenamine	ND	ug/L	5.0	4.1	1	08/23/11 16:45	08/26/11 14:28	134-32-7	
1,4-Naphthoquinone	ND	ug/L	5.0	3.3	1	08/23/11 16:45	08/26/11 14:28	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 14:28	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 14:28	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 14:28	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 14:28	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 14:28	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	4.1	1	08/23/11 16:45	08/26/11 14:28	100-02-7	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-6 **Lab ID: 92100658008** Collected: 08/17/11 16:00 Received: 08/18/11 13:25 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								
5-Nitro-o-toluidine	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 14:28	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 14:28	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 14:28	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	7.5	1	08/23/11 16:45	08/26/11 14:28	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 14:28	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 14:28	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	4.7	1	08/23/11 16:45	08/26/11 14:28	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 14:28	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	6.9	1	08/23/11 16:45	08/26/11 14:28	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 14:28	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 14:28	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	4.3	1	08/23/11 16:45	08/26/11 14:28	608-93-5	
Pentachloronitrobenzene	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 14:28	82-68-8	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	08/23/11 16:45	08/26/11 14:28	87-86-5	
Phenacetin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 14:28	62-44-2	
Phenanthrene	ND	ug/L	10.0	0.22	1	08/23/11 16:45	08/26/11 14:28	85-01-8	
Phenol	ND	ug/L	10.0	1.9	1	08/23/11 16:45	08/26/11 14:28	108-95-2	
p-Phenylenediamine	ND	ug/L	10.0	6.7	1	08/23/11 16:45	08/26/11 14:28	106-50-3	
Phorate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 14:28	298-02-2	
Pronamide	ND	ug/L	10.0	5.8	1	08/23/11 16:45	08/26/11 14:28	23950-58-5	
Pyrene	ND	ug/L	10.0	0.19	1	08/23/11 16:45	08/26/11 14:28	129-00-0	
Safrole	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 14:28	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	4.0	1	08/23/11 16:45	08/26/11 14:28	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 14:28	58-90-2	
Thionazin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 14:28	297-97-2	
O-Toluidine	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 14:28	95-53-4	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 14:28	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 14:28	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 14:28	99-35-4	
Nitrobenzene-d5 (S)	61	%	21-110		1	08/23/11 16:45	08/26/11 14:28	4165-60-0	
2-Fluorobiphenyl (S)	67	%	27-110		1	08/23/11 16:45	08/26/11 14:28	321-60-8	
Terphenyl-d14 (S)	69	%	31-107		1	08/23/11 16:45	08/26/11 14:28	1718-51-0	
Phenol-d6 (S)	28	%	10-110		1	08/23/11 16:45	08/26/11 14:28	13127-88-3	
2-Fluorophenol (S)	40	%	12-110		1	08/23/11 16:45	08/26/11 14:28	367-12-4	
2,4,6-Tribromophenol (S)	72	%	27-110		1	08/23/11 16:45	08/26/11 14:28	118-79-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/19/11 21:42	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/19/11 21:42	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/19/11 21:42	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 21:42	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/19/11 21:42	107-05-1	
Benzene	**0.31J**	ug/L	1.0	0.25	1		08/19/11 21:42	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 21:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 21:42	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 21:42	75-25-2	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-6 **Lab ID: 92100658008** Collected: 08/17/11 16:00 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 21:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 21:42	78-93-3	
Carbon disulfide	**3.4J**	ug/L	100	1.2	1		08/19/11 21:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 21:42	56-23-5	
Chlorobenzene	**0.97J**	ug/L	3.0	0.23	1		08/19/11 21:42	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 21:42	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/19/11 21:42	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/19/11 21:42	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/19/11 21:42	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 21:42	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 21:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 21:42	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 21:42	74-95-3	
1,2-Dichlorobenzene	**0.32J**	ug/L	5.0	0.30	1		08/19/11 21:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		08/19/11 21:42	541-73-1	
1,4-Dichlorobenzene	**0.44J**	ug/L	1.0	0.33	1		08/19/11 21:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 21:42	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		08/19/11 21:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 21:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 21:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 21:42	75-35-4	
cis-1,2-Dichloroethene	**0.58J**	ug/L	5.0	0.19	1		08/19/11 21:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 21:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 21:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 21:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/19/11 21:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/19/11 21:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 21:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 21:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 21:42	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/19/11 21:42	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/19/11 21:42	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 21:42	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 21:42	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/19/11 21:42	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/19/11 21:42	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/19/11 21:42	75-09-2	
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/19/11 21:42	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 21:42	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		08/19/11 21:42	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/19/11 21:42	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 21:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 21:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 21:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 21:42	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 21:42	108-88-3	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-6 **Lab ID: 92100658008** Collected: 08/17/11 16:00 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/19/11 21:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 21:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 21:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 21:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 21:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 21:42	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 21:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 21:42	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 21:42	1330-20-7	
4-Bromofluorobenzene (S)	97	%	70-130		1		08/19/11 21:42	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		08/19/11 21:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	125	%	70-130		1		08/19/11 21:42	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		08/19/11 21:42	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	ug/L	1000	100	1		08/23/11 09:45	18496-25-8	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	10.0	1		08/30/11 15:18	57-12-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-7 **Lab ID: 92100658009** Collected: 08/17/11 15:15 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:21	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:21	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:21	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:21	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:21	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.20	1	08/23/11 16:00	08/25/11 21:21	57-74-9	
4,4'-DDD	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:21	72-54-8	
4,4'-DDE	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:21	72-55-9	
4,4'-DDT	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:21	50-29-3	
Dieldrin	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 21:21	60-57-1	
Endosulfan I	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:21	959-98-8	
Endosulfan II	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:21	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:21	1031-07-8	
Endrin	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:21	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:21	7421-93-4	
Heptachlor	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:21	76-44-8	
Heptachlor epoxide	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 21:21	1024-57-3	
Methoxychlor	ND	ug/L	1.0	0.15	1	08/23/11 16:00	08/25/11 21:21	72-43-5	
Toxaphene	ND	ug/L	1.5	0.20	1	08/23/11 16:00	08/25/11 21:21	8001-35-2	
Tetrachloro-m-xylene (S)	77	%	20-130		1	08/23/11 16:00	08/25/11 21:21	877-09-8	
Decachlorobiphenyl (S)	91	%	20-130		1	08/23/11 16:00	08/25/11 21:21	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 19:29	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 19:29	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 19:29	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 19:29	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 19:29	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 19:29	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 19:29	11096-82-5	
Decachlorobiphenyl (S)	78	%	10-132		1	08/23/11 16:00	08/25/11 19:29	2051-24-3	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151								
2,4-D	ND	ug/L	2.0	0.22	1	08/23/11 16:00	08/30/11 09:24	94-75-7	
Dinoseb	ND	ug/L	1.0	0.057	1	08/23/11 16:00	08/30/11 09:24	88-85-7	
2,4,5-T	ND	ug/L	2.0	0.042	1	08/23/11 16:00	08/30/11 09:24	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	2.0	0.049	1	08/23/11 16:00	08/30/11 09:24	93-72-1	
2,4-DCPA (S)	105	%	65.5-125.7		1	08/23/11 16:00	08/30/11 09:24	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	5.0	1	08/24/11 10:40	08/26/11 16:49	7440-36-0	
Arsenic	**7.0J**	ug/L	10.0	5.0	1	08/24/11 10:40	08/29/11 14:46	7440-38-2	
Barium	**34.1J**	ug/L	100	5.0	1	08/24/11 10:40	08/26/11 16:49	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	08/24/11 10:40	08/26/11 16:49	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	08/24/11 10:40	08/26/11 16:49	7440-43-9	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-7 **Lab ID: 92100658009** Collected: 08/17/11 15:15 Received: 08/18/11 13:25 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						
Chromium	**22.0**	ug/L	10.0	5.0	1	08/24/11 10:40	08/26/11 16:49	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	08/24/11 10:40	08/26/11 16:49	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	08/24/11 10:40	08/26/11 16:49	7440-50-8	
Lead	**12.1**	ug/L	10.0	5.0	1	08/24/11 10:40	08/26/11 16:49	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	08/24/11 10:40	08/26/11 16:49	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	08/24/11 10:40	08/26/11 16:49	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	08/24/11 10:40	08/26/11 16:49	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	08/24/11 10:40	08/26/11 16:49	7440-28-0	
Tin	ND	ug/L	100	5.0	1	08/24/11 10:40	08/26/11 16:49	7440-31-5	
Vanadium	**55.2**	ug/L	25.0	5.0	1	08/24/11 10:40	08/26/11 16:49	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	08/24/11 10:40	08/26/11 16:49	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	**0.10J**	ug/L	0.20	0.10	1	08/26/11 11:35	08/30/11 13:35	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270		Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	10.0	0.25	1	08/23/11 16:45	08/26/11 15:07	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 15:07	208-96-8	
Acetophenone	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 15:07	98-86-2	
2-Acetylaminofluorene	ND	ug/L	20.0	5.8	1	08/23/11 16:45	08/26/11 15:07	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 15:07	92-67-1	
Anthracene	ND	ug/L	10.0	0.14	1	08/23/11 16:45	08/26/11 15:07	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.33	1	08/23/11 16:45	08/26/11 15:07	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.30	1	08/23/11 16:45	08/26/11 15:07	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 15:07	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.38	1	08/23/11 16:45	08/26/11 15:07	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.43	1	08/23/11 16:45	08/26/11 15:07	207-08-9	
Benzyl alcohol	ND	ug/L	20.0	2.4	1	08/23/11 16:45	08/26/11 15:07	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	08/23/11 16:45	08/26/11 15:07	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	08/23/11 16:45	08/26/11 15:07	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	08/23/11 16:45	08/26/11 15:07	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	08/23/11 16:45	08/26/11 15:07	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	4.5	1	08/23/11 16:45	08/26/11 15:07	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 15:07	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 15:07	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.95	1	08/23/11 16:45	08/26/11 15:07	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 15:07	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 15:07	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	08/23/11 16:45	08/26/11 15:07	7005-72-3	
Chrysene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 15:07	218-01-9	
Diallate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 15:07	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.55	1	08/23/11 16:45	08/26/11 15:07	53-70-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 15:07	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 15:07	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	08/23/11 16:45	08/26/11 15:07	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 15:07	87-65-0	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-7 **Lab ID: 92100658009** Collected: 08/17/11 15:15 Received: 08/18/11 13:25 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								
Diethylphthalate	ND	ug/L	10.0	0.58	1	08/23/11 16:45	08/26/11 15:07	84-66-2	
Dimethoate	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 15:07	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	5.0	2.7	1	08/23/11 16:45	08/26/11 15:07	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 15:07	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	10.0	9.6	1	08/23/11 16:45	08/26/11 15:07	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 15:07	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	08/23/11 16:45	08/26/11 15:07	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	08/23/11 16:45	08/26/11 15:07	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	2.6	1	08/23/11 16:45	08/26/11 15:07	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	20.0	5.1	1	08/23/11 16:45	08/26/11 15:07	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	08/23/11 16:45	08/26/11 15:07	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	08/23/11 16:45	08/26/11 15:07	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 15:07	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	08/23/11 16:45	08/26/11 15:07	117-84-0	
Diphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 15:07	122-39-4	
Disulfoton	ND	ug/L	10.0	5.5	1	08/23/11 16:45	08/26/11 15:07	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	15.0	0.79	1	08/23/11 16:45	08/26/11 15:07	117-81-7	
Ethyl methanesulfonate	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 15:07	62-50-0	
Famphur	ND	ug/L	10.0	3.7	1	08/23/11 16:45	08/26/11 15:07	52-85-7	
Fluoranthene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 15:07	206-44-0	
Fluorene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 15:07	86-73-7	
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	08/23/11 16:45	08/26/11 15:07	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	08/23/11 16:45	08/26/11 15:07	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 15:07	67-72-1	
Hexachloropropene	ND	ug/L	10.0	3.2	1	08/23/11 16:45	08/26/11 15:07	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.29	1	08/23/11 16:45	08/26/11 15:07	193-39-5	
Isodrin	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 15:07	465-73-6	
Isophorone	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 15:07	78-59-1	
Isosafrole	ND	ug/L	10.0	4.4	1	08/23/11 16:45	08/26/11 15:07	120-58-1	
Kepone	ND	ug/L	10.0	8.3	1	08/23/11 16:45	08/26/11 15:07	143-50-0	
Methapyrilene	ND	ug/L	100	5.8	1	08/23/11 16:45	08/26/11 15:07	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	2.6	1	08/23/11 16:45	08/26/11 15:07	56-49-5	
Methyl methanesulfonate	ND	ug/L	5.0	3.7	1	08/23/11 16:45	08/26/11 15:07	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 15:07	91-57-6	
Methyl parathion	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 15:07	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	08/23/11 16:45	08/26/11 15:07	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	08/23/11 16:45	08/26/11 15:07		
2-Naphthalenamine	ND	ug/L	5.0	3.0	1	08/23/11 16:45	08/26/11 15:07	91-59-8	
1-Naphthalenamine	ND	ug/L	5.0	4.1	1	08/23/11 16:45	08/26/11 15:07	134-32-7	
1,4-Naphthoquinone	ND	ug/L	5.0	3.3	1	08/23/11 16:45	08/26/11 15:07	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 15:07	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 15:07	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 15:07	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 15:07	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 15:07	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	4.1	1	08/23/11 16:45	08/26/11 15:07	100-02-7	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-7 **Lab ID: 92100658009** Collected: 08/17/11 15:15 Received: 08/18/11 13:25 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								
5-Nitro-o-toluidine	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 15:07	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 15:07	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 15:07	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	7.5	1	08/23/11 16:45	08/26/11 15:07	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 15:07	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 15:07	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	4.7	1	08/23/11 16:45	08/26/11 15:07	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 15:07	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	6.9	1	08/23/11 16:45	08/26/11 15:07	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 15:07	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 15:07	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	4.3	1	08/23/11 16:45	08/26/11 15:07	608-93-5	
Pentachloronitrobenzene	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 15:07	82-68-8	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	08/23/11 16:45	08/26/11 15:07	87-86-5	
Phenacetin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 15:07	62-44-2	
Phenanthrene	ND	ug/L	10.0	0.22	1	08/23/11 16:45	08/26/11 15:07	85-01-8	
Phenol	ND	ug/L	10.0	1.9	1	08/23/11 16:45	08/26/11 15:07	108-95-2	
p-Phenylenediamine	ND	ug/L	10.0	6.7	1	08/23/11 16:45	08/26/11 15:07	106-50-3	
Phorate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 15:07	298-02-2	
Pronamide	ND	ug/L	10.0	5.8	1	08/23/11 16:45	08/26/11 15:07	23950-58-5	
Pyrene	ND	ug/L	10.0	0.19	1	08/23/11 16:45	08/26/11 15:07	129-00-0	
Safrole	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 15:07	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	4.0	1	08/23/11 16:45	08/26/11 15:07	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 15:07	58-90-2	
Thionazin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 15:07	297-97-2	
O-Toluidine	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 15:07	95-53-4	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 15:07	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 15:07	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 15:07	99-35-4	
Nitrobenzene-d5 (S)	47	%	21-110		1	08/23/11 16:45	08/26/11 15:07	4165-60-0	
2-Fluorobiphenyl (S)	47	%	27-110		1	08/23/11 16:45	08/26/11 15:07	321-60-8	
Terphenyl-d14 (S)	64	%	31-107		1	08/23/11 16:45	08/26/11 15:07	1718-51-0	
Phenol-d6 (S)	21	%	10-110		1	08/23/11 16:45	08/26/11 15:07	13127-88-3	
2-Fluorophenol (S)	32	%	12-110		1	08/23/11 16:45	08/26/11 15:07	367-12-4	
2,4,6-Tribromophenol (S)	64	%	27-110		1	08/23/11 16:45	08/26/11 15:07	118-79-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/19/11 22:07	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/19/11 22:07	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/19/11 22:07	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 22:07	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/19/11 22:07	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		08/19/11 22:07	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 22:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 22:07	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 22:07	75-25-2	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-7 **Lab ID: 92100658009** Collected: 08/17/11 15:15 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 22:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 22:07	78-93-3	
Carbon disulfide	**3.6J**	ug/L	100	1.2	1		08/19/11 22:07	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 22:07	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/19/11 22:07	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 22:07	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/19/11 22:07	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/19/11 22:07	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/19/11 22:07	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 22:07	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 22:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 22:07	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 22:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/19/11 22:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		08/19/11 22:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 22:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 22:07	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		08/19/11 22:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 22:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 22:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 22:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 22:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 22:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 22:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 22:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/19/11 22:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/19/11 22:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 22:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 22:07	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 22:07	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/19/11 22:07	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/19/11 22:07	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 22:07	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 22:07	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/19/11 22:07	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/19/11 22:07	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/19/11 22:07	75-09-2	
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/19/11 22:07	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 22:07	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		08/19/11 22:07	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/19/11 22:07	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 22:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 22:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 22:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 22:07	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 22:07	108-88-3	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-7 **Lab ID: 92100658009** Collected: 08/17/11 15:15 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/19/11 22:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 22:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 22:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 22:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 22:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 22:07	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 22:07	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 22:07	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 22:07	1330-20-7	
4-Bromofluorobenzene (S)	96	%	70-130		1		08/19/11 22:07	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		1		08/19/11 22:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	125	%	70-130		1		08/19/11 22:07	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		08/19/11 22:07	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	ug/L	1000	100	1		08/23/11 09:45	18496-25-8	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	10.0	1		08/30/11 15:19	57-12-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-9 **Lab ID: 92100658010** Collected: 08/17/11 11:30 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:38	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:38	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:38	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:38	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:38	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.20	1	08/23/11 16:00	08/25/11 21:38	57-74-9	
4,4'-DDD	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:38	72-54-8	
4,4'-DDE	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:38	72-55-9	
4,4'-DDT	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:38	50-29-3	
Dieldrin	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 21:38	60-57-1	
Endosulfan I	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:38	959-98-8	
Endosulfan II	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:38	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:38	1031-07-8	
Endrin	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:38	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:38	7421-93-4	
Heptachlor	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:38	76-44-8	
Heptachlor epoxide	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 21:38	1024-57-3	
Methoxychlor	ND	ug/L	1.0	0.15	1	08/23/11 16:00	08/25/11 21:38	72-43-5	
Toxaphene	ND	ug/L	1.5	0.20	1	08/23/11 16:00	08/25/11 21:38	8001-35-2	
Tetrachloro-m-xylene (S)	74	%	20-130		1	08/23/11 16:00	08/25/11 21:38	877-09-8	
Decachlorobiphenyl (S)	91	%	20-130		1	08/23/11 16:00	08/25/11 21:38	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 19:49	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 19:49	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 19:49	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 19:49	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 19:49	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 19:49	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 19:49	11096-82-5	
Decachlorobiphenyl (S)	79	%	10-132		1	08/23/11 16:00	08/25/11 19:49	2051-24-3	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151								
2,4-D	ND	ug/L	2.0	0.22	1	08/23/11 16:00	08/30/11 09:55	94-75-7	
Dinoseb	ND	ug/L	1.0	0.057	1	08/23/11 16:00	08/30/11 09:55	88-85-7	
2,4,5-T	ND	ug/L	2.0	0.042	1	08/23/11 16:00	08/30/11 09:55	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	2.0	0.049	1	08/23/11 16:00	08/30/11 09:55	93-72-1	
2,4-DCPA (S)	109	%	65.5-125.7		1	08/23/11 16:00	08/30/11 09:55	19719-28-9	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	10.0	0.25	1	08/23/11 16:45	08/26/11 15:46	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 15:46	208-96-8	
Acetophenone	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 15:46	98-86-2	
2-Acetylaminofluorene	ND	ug/L	20.0	5.8	1	08/23/11 16:45	08/26/11 15:46	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 15:46	92-67-1	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-9 **Lab ID: 92100658010** Collected: 08/17/11 11:30 Received: 08/18/11 13:25 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								
Anthracene	ND	ug/L	10.0	0.14	1	08/23/11 16:45	08/26/11 15:46	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.33	1	08/23/11 16:45	08/26/11 15:46	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.30	1	08/23/11 16:45	08/26/11 15:46	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 15:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.38	1	08/23/11 16:45	08/26/11 15:46	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.43	1	08/23/11 16:45	08/26/11 15:46	207-08-9	
Benzyl alcohol	ND	ug/L	20.0	2.4	1	08/23/11 16:45	08/26/11 15:46	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	08/23/11 16:45	08/26/11 15:46	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	08/23/11 16:45	08/26/11 15:46	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	08/23/11 16:45	08/26/11 15:46	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	08/23/11 16:45	08/26/11 15:46	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	4.5	1	08/23/11 16:45	08/26/11 15:46	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 15:46	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 15:46	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.95	1	08/23/11 16:45	08/26/11 15:46	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 15:46	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 15:46	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	08/23/11 16:45	08/26/11 15:46	7005-72-3	
Chrysene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 15:46	218-01-9	
Diallate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 15:46	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.55	1	08/23/11 16:45	08/26/11 15:46	53-70-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 15:46	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 15:46	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	08/23/11 16:45	08/26/11 15:46	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 15:46	87-65-0	
Diethylphthalate	ND	ug/L	10.0	0.58	1	08/23/11 16:45	08/26/11 15:46	84-66-2	
Dimethoate	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 15:46	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	5.0	2.7	1	08/23/11 16:45	08/26/11 15:46	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 15:46	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	10.0	9.6	1	08/23/11 16:45	08/26/11 15:46	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 15:46	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	08/23/11 16:45	08/26/11 15:46	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	08/23/11 16:45	08/26/11 15:46	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	2.6	1	08/23/11 16:45	08/26/11 15:46	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	20.0	5.1	1	08/23/11 16:45	08/26/11 15:46	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	08/23/11 16:45	08/26/11 15:46	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	08/23/11 16:45	08/26/11 15:46	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 15:46	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	08/23/11 16:45	08/26/11 15:46	117-84-0	
Diphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 15:46	122-39-4	
Disulfoton	ND	ug/L	10.0	5.5	1	08/23/11 16:45	08/26/11 15:46	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	15.0	0.79	1	08/23/11 16:45	08/26/11 15:46	117-81-7	
Ethyl methanesulfonate	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 15:46	62-50-0	
Famphur	ND	ug/L	10.0	3.7	1	08/23/11 16:45	08/26/11 15:46	52-85-7	
Fluoranthene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 15:46	206-44-0	
Fluorene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 15:46	86-73-7	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-9 **Lab ID: 92100658010** Collected: 08/17/11 11:30 Received: 08/18/11 13:25 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								
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	08/23/11 16:45	08/26/11 15:46	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	08/23/11 16:45	08/26/11 15:46	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 15:46	67-72-1	
Hexachloropropene	ND	ug/L	10.0	3.2	1	08/23/11 16:45	08/26/11 15:46	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.29	1	08/23/11 16:45	08/26/11 15:46	193-39-5	
Isodrin	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 15:46	465-73-6	
Isophorone	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 15:46	78-59-1	
Isosafrole	ND	ug/L	10.0	4.4	1	08/23/11 16:45	08/26/11 15:46	120-58-1	
Kepone	ND	ug/L	10.0	8.3	1	08/23/11 16:45	08/26/11 15:46	143-50-0	
Methapyrilene	ND	ug/L	100	5.8	1	08/23/11 16:45	08/26/11 15:46	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	2.6	1	08/23/11 16:45	08/26/11 15:46	56-49-5	
Methyl methanesulfonate	ND	ug/L	5.0	3.7	1	08/23/11 16:45	08/26/11 15:46	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 15:46	91-57-6	
Methyl parathion	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 15:46	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	08/23/11 16:45	08/26/11 15:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	08/23/11 16:45	08/26/11 15:46		
2-Naphthalenamine	ND	ug/L	5.0	3.0	1	08/23/11 16:45	08/26/11 15:46	91-59-8	
1-Naphthalenamine	ND	ug/L	5.0	4.1	1	08/23/11 16:45	08/26/11 15:46	134-32-7	
1,4-Naphthoquinone	ND	ug/L	5.0	3.3	1	08/23/11 16:45	08/26/11 15:46	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 15:46	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 15:46	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 15:46	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 15:46	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 15:46	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	4.1	1	08/23/11 16:45	08/26/11 15:46	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 15:46	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 15:46	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 15:46	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	7.5	1	08/23/11 16:45	08/26/11 15:46	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 15:46	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 15:46	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	4.7	1	08/23/11 16:45	08/26/11 15:46	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 15:46	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	6.9	1	08/23/11 16:45	08/26/11 15:46	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 15:46	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 15:46	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	4.3	1	08/23/11 16:45	08/26/11 15:46	608-93-5	
Pentachloronitrobenzene	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 15:46	82-68-8	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	08/23/11 16:45	08/26/11 15:46	87-86-5	
Phenacetin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 15:46	62-44-2	
Phenanthrene	ND	ug/L	10.0	0.22	1	08/23/11 16:45	08/26/11 15:46	85-01-8	
Phenol	ND	ug/L	10.0	1.9	1	08/23/11 16:45	08/26/11 15:46	108-95-2	
p-Phenylenediamine	ND	ug/L	10.0	6.7	1	08/23/11 16:45	08/26/11 15:46	106-50-3	
Phorate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 15:46	298-02-2	
Pronamide	ND	ug/L	10.0	5.8	1	08/23/11 16:45	08/26/11 15:46	23950-58-5	
Pyrene	ND	ug/L	10.0	0.19	1	08/23/11 16:45	08/26/11 15:46	129-00-0	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-9 **Lab ID: 92100658010** Collected: 08/17/11 11:30 Received: 08/18/11 13:25 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								
Safrole	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 15:46	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	4.0	1	08/23/11 16:45	08/26/11 15:46	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 15:46	58-90-2	
Thionazin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 15:46	297-97-2	
O-Toluidine	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 15:46	95-53-4	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 15:46	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 15:46	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 15:46	99-35-4	
Nitrobenzene-d5 (S)	76	%	21-110		1	08/23/11 16:45	08/26/11 15:46	4165-60-0	
2-Fluorobiphenyl (S)	74	%	27-110		1	08/23/11 16:45	08/26/11 15:46	321-60-8	
Terphenyl-d14 (S)	77	%	31-107		1	08/23/11 16:45	08/26/11 15:46	1718-51-0	
Phenol-d6 (S)	31	%	10-110		1	08/23/11 16:45	08/26/11 15:46	13127-88-3	
2-Fluorophenol (S)	45	%	12-110		1	08/23/11 16:45	08/26/11 15:46	367-12-4	
2,4,6-Tribromophenol (S)	76	%	27-110		1	08/23/11 16:45	08/26/11 15:46	118-79-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/20/11 01:05	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/20/11 01:05	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/20/11 01:05	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/20/11 01:05	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/20/11 01:05	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		08/20/11 01:05	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/20/11 01:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/20/11 01:05	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/20/11 01:05	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/20/11 01:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/20/11 01:05	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/20/11 01:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/20/11 01:05	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/20/11 01:05	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/20/11 01:05	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/20/11 01:05	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/20/11 01:05	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/20/11 01:05	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/20/11 01:05	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/20/11 01:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/20/11 01:05	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/20/11 01:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/20/11 01:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		08/20/11 01:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/20/11 01:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/20/11 01:05	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		08/20/11 01:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/20/11 01:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/20/11 01:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/20/11 01:05	75-35-4	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-9 **Lab ID: 92100658010** Collected: 08/17/11 11:30 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/20/11 01:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/20/11 01:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/20/11 01:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/20/11 01:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/20/11 01:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/20/11 01:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/20/11 01:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/20/11 01:05	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/20/11 01:05	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/20/11 01:05	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/20/11 01:05	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/20/11 01:05	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/20/11 01:05	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/20/11 01:05	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/20/11 01:05	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/20/11 01:05	75-09-2	
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/20/11 01:05	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/20/11 01:05	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		08/20/11 01:05	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/20/11 01:05	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/20/11 01:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/20/11 01:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/20/11 01:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/20/11 01:05	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/20/11 01:05	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/20/11 01:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/20/11 01:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/20/11 01:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/20/11 01:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/20/11 01:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/20/11 01:05	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/20/11 01:05	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/20/11 01:05	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/20/11 01:05	1330-20-7	
4-Bromofluorobenzene (S)	95	%	70-130		1		08/20/11 01:05	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		08/20/11 01:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	119	%	70-130		1		08/20/11 01:05	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		08/20/11 01:05	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	**407J**	ug/L	1000	100	1		08/23/11 09:45	18496-25-8	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	10.0	1		08/30/11 15:20	57-12-5	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-10 **Lab ID: 92100658011** Collected: 08/17/11 12:05 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:56	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:56	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:56	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:56	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:56	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.20	1	08/23/11 16:00	08/25/11 21:56	57-74-9	
4,4'-DDD	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:56	72-54-8	
4,4'-DDE	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:56	72-55-9	
4,4'-DDT	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:56	50-29-3	
Dieldrin	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 21:56	60-57-1	
Endosulfan I	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:56	959-98-8	
Endosulfan II	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:56	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:56	1031-07-8	
Endrin	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:56	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 21:56	7421-93-4	
Heptachlor	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 21:56	76-44-8	
Heptachlor epoxide	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 21:56	1024-57-3	
Methoxychlor	ND	ug/L	1.0	0.15	1	08/23/11 16:00	08/25/11 21:56	72-43-5	
Toxaphene	ND	ug/L	1.5	0.20	1	08/23/11 16:00	08/25/11 21:56	8001-35-2	
Tetrachloro-m-xylene (S)	78	%	20-130		1	08/23/11 16:00	08/25/11 21:56	877-09-8	
Decachlorobiphenyl (S)	98	%	20-130		1	08/23/11 16:00	08/25/11 21:56	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 20:09	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 20:09	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 20:09	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 20:09	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 20:09	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 20:09	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	08/23/11 16:00	08/25/11 20:09	11096-82-5	
Decachlorobiphenyl (S)	84	%	10-132		1	08/23/11 16:00	08/25/11 20:09	2051-24-3	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151								
2,4-D	ND	ug/L	2.0	0.22	1	08/23/11 16:00	08/30/11 10:25	94-75-7	
Dinoseb	ND	ug/L	1.0	0.057	1	08/23/11 16:00	08/30/11 10:25	88-85-7	
2,4,5-T	ND	ug/L	2.0	0.042	1	08/23/11 16:00	08/30/11 10:25	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	2.0	0.049	1	08/23/11 16:00	08/30/11 10:25	93-72-1	
2,4-DCPA (S)	101	%	65.5-125.7		1	08/23/11 16:00	08/30/11 10:25	19719-28-9	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	10.0	0.25	1	08/23/11 16:45	08/26/11 16:25	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 16:25	208-96-8	
Acetophenone	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 16:25	98-86-2	
2-Acetylaminofluorene	ND	ug/L	20.0	5.8	1	08/23/11 16:45	08/26/11 16:25	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 16:25	92-67-1	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-10 **Lab ID: 92100658011** Collected: 08/17/11 12:05 Received: 08/18/11 13:25 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								
Anthracene	ND	ug/L	10.0	0.14	1	08/23/11 16:45	08/26/11 16:25	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.33	1	08/23/11 16:45	08/26/11 16:25	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.30	1	08/23/11 16:45	08/26/11 16:25	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 16:25	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.38	1	08/23/11 16:45	08/26/11 16:25	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.43	1	08/23/11 16:45	08/26/11 16:25	207-08-9	
Benzyl alcohol	ND	ug/L	20.0	2.4	1	08/23/11 16:45	08/26/11 16:25	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	08/23/11 16:45	08/26/11 16:25	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	08/23/11 16:45	08/26/11 16:25	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	08/23/11 16:45	08/26/11 16:25	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	08/23/11 16:45	08/26/11 16:25	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	4.5	1	08/23/11 16:45	08/26/11 16:25	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 16:25	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 16:25	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.95	1	08/23/11 16:45	08/26/11 16:25	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 16:25	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 16:25	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	08/23/11 16:45	08/26/11 16:25	7005-72-3	
Chrysene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 16:25	218-01-9	
Diallate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 16:25	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.55	1	08/23/11 16:45	08/26/11 16:25	53-70-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 16:25	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 16:25	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	08/23/11 16:45	08/26/11 16:25	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 16:25	87-65-0	
Diethylphthalate	ND	ug/L	10.0	0.58	1	08/23/11 16:45	08/26/11 16:25	84-66-2	
Dimethoate	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 16:25	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	5.0	2.7	1	08/23/11 16:45	08/26/11 16:25	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 16:25	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	10.0	9.6	1	08/23/11 16:45	08/26/11 16:25	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 16:25	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	08/23/11 16:45	08/26/11 16:25	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	08/23/11 16:45	08/26/11 16:25	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	2.6	1	08/23/11 16:45	08/26/11 16:25	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	20.0	5.1	1	08/23/11 16:45	08/26/11 16:25	99-65-0	
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	08/23/11 16:45	08/26/11 16:25	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	08/23/11 16:45	08/26/11 16:25	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 16:25	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	08/23/11 16:45	08/26/11 16:25	117-84-0	
Diphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 16:25	122-39-4	
Disulfoton	ND	ug/L	10.0	5.5	1	08/23/11 16:45	08/26/11 16:25	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	15.0	0.79	1	08/23/11 16:45	08/26/11 16:25	117-81-7	
Ethyl methanesulfonate	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 16:25	62-50-0	
Famphur	ND	ug/L	10.0	3.7	1	08/23/11 16:45	08/26/11 16:25	52-85-7	
Fluoranthene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 16:25	206-44-0	
Fluorene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 16:25	86-73-7	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-10 **Lab ID: 92100658011** Collected: 08/17/11 12:05 Received: 08/18/11 13:25 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								
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	08/23/11 16:45	08/26/11 16:25	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	08/23/11 16:45	08/26/11 16:25	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 16:25	67-72-1	
Hexachloropropene	ND	ug/L	10.0	3.2	1	08/23/11 16:45	08/26/11 16:25	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.29	1	08/23/11 16:45	08/26/11 16:25	193-39-5	
Isodrin	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 16:25	465-73-6	
Isophorone	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 16:25	78-59-1	
Isosafrole	ND	ug/L	10.0	4.4	1	08/23/11 16:45	08/26/11 16:25	120-58-1	
Kepone	ND	ug/L	10.0	8.3	1	08/23/11 16:45	08/26/11 16:25	143-50-0	
Methapyrilene	ND	ug/L	100	5.8	1	08/23/11 16:45	08/26/11 16:25	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	2.6	1	08/23/11 16:45	08/26/11 16:25	56-49-5	
Methyl methanesulfonate	ND	ug/L	5.0	3.7	1	08/23/11 16:45	08/26/11 16:25	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 16:25	91-57-6	
Methyl parathion	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 16:25	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	08/23/11 16:45	08/26/11 16:25	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	08/23/11 16:45	08/26/11 16:25		
2-Naphthalenamine	ND	ug/L	5.0	3.0	1	08/23/11 16:45	08/26/11 16:25	91-59-8	
1-Naphthalenamine	ND	ug/L	5.0	4.1	1	08/23/11 16:45	08/26/11 16:25	134-32-7	
1,4-Naphthoquinone	ND	ug/L	5.0	3.3	1	08/23/11 16:45	08/26/11 16:25	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 16:25	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 16:25	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 16:25	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 16:25	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 16:25	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	4.1	1	08/23/11 16:45	08/26/11 16:25	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 16:25	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 16:25	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 16:25	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	7.5	1	08/23/11 16:45	08/26/11 16:25	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 16:25	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 16:25	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	4.7	1	08/23/11 16:45	08/26/11 16:25	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 16:25	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	6.9	1	08/23/11 16:45	08/26/11 16:25	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 16:25	126-68-1	
Parathion (Ethyl parathion)	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 16:25	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	4.3	1	08/23/11 16:45	08/26/11 16:25	608-93-5	
Pentachloronitrobenzene	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 16:25	82-68-8	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	08/23/11 16:45	08/26/11 16:25	87-86-5	
Phenacetin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 16:25	62-44-2	
Phenanthrene	ND	ug/L	10.0	0.22	1	08/23/11 16:45	08/26/11 16:25	85-01-8	
Phenol	ND	ug/L	10.0	1.9	1	08/23/11 16:45	08/26/11 16:25	108-95-2	
p-Phenylenediamine	ND	ug/L	10.0	6.7	1	08/23/11 16:45	08/26/11 16:25	106-50-3	
Phorate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 16:25	298-02-2	
Pronamide	ND	ug/L	10.0	5.8	1	08/23/11 16:45	08/26/11 16:25	23950-58-5	
Pyrene	ND	ug/L	10.0	0.19	1	08/23/11 16:45	08/26/11 16:25	129-00-0	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-10 **Lab ID: 92100658011** Collected: 08/17/11 12:05 Received: 08/18/11 13:25 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								
Safrole	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 16:25	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	4.0	1	08/23/11 16:45	08/26/11 16:25	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 16:25	58-90-2	
Thionazin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 16:25	297-97-2	
O-Toluidine	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 16:25	95-53-4	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 16:25	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 16:25	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 16:25	99-35-4	
Nitrobenzene-d5 (S)	48	%	21-110		1	08/23/11 16:45	08/26/11 16:25	4165-60-0	
2-Fluorobiphenyl (S)	50	%	27-110		1	08/23/11 16:45	08/26/11 16:25	321-60-8	
Terphenyl-d14 (S)	60	%	31-107		1	08/23/11 16:45	08/26/11 16:25	1718-51-0	
Phenol-d6 (S)	19	%	10-110		1	08/23/11 16:45	08/26/11 16:25	13127-88-3	
2-Fluorophenol (S)	29	%	12-110		1	08/23/11 16:45	08/26/11 16:25	367-12-4	
2,4,6-Tribromophenol (S)	58	%	27-110		1	08/23/11 16:45	08/26/11 16:25	118-79-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		08/20/11 01:30	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/20/11 01:30	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/20/11 01:30	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/20/11 01:30	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/20/11 01:30	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		08/20/11 01:30	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/20/11 01:30	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/20/11 01:30	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/20/11 01:30	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/20/11 01:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/20/11 01:30	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/20/11 01:30	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/20/11 01:30	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/20/11 01:30	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/20/11 01:30	75-00-3	
Chloroform	**0.49J**	ug/L	5.0	0.14	1		08/20/11 01:30	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/20/11 01:30	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/20/11 01:30	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/20/11 01:30	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/20/11 01:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/20/11 01:30	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/20/11 01:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/20/11 01:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		08/20/11 01:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/20/11 01:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/20/11 01:30	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		08/20/11 01:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/20/11 01:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/20/11 01:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/20/11 01:30	75-35-4	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

Sample: MW-10 **Lab ID: 92100658011** Collected: 08/17/11 12:05 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/20/11 01:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/20/11 01:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/20/11 01:30	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/20/11 01:30	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/20/11 01:30	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/20/11 01:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/20/11 01:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/20/11 01:30	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/20/11 01:30	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/20/11 01:30	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/20/11 01:30	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/20/11 01:30	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/20/11 01:30	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/20/11 01:30	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/20/11 01:30	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/20/11 01:30	75-09-2	
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/20/11 01:30	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/20/11 01:30	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		08/20/11 01:30	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/20/11 01:30	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/20/11 01:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/20/11 01:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/20/11 01:30	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/20/11 01:30	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/20/11 01:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/20/11 01:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/20/11 01:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/20/11 01:30	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/20/11 01:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/20/11 01:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/20/11 01:30	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/20/11 01:30	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/20/11 01:30	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/20/11 01:30	1330-20-7	
4-Bromofluorobenzene (S)	98	%	70-130		1		08/20/11 01:30	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		08/20/11 01:30	1868-53-7	
1,2-Dichloroethane-d4 (S)	123	%	70-130		1		08/20/11 01:30	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		08/20/11 01:30	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	ug/L	1000	100	1		08/23/11 09:45	18496-25-8	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	10.0	1		08/30/11 15:21	57-12-5	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: OEXT/14633 Analysis Method: EPA 8081
QC Batch Method: EPA 3510 Analysis Description: 8081A GCS Pesticides
Associated Lab Samples: 92100658001, 92100658002, 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009, 92100658010, 92100658011

METHOD BLANK: 651408 Matrix: Water
Associated Lab Samples: 92100658001, 92100658002, 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009, 92100658010, 92100658011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.10	08/25/11 17:15	
4,4'-DDE	ug/L	ND	0.10	08/25/11 17:15	
4,4'-DDT	ug/L	ND	0.10	08/25/11 17:15	
Aldrin	ug/L	ND	0.050	08/25/11 17:15	
alpha-BHC	ug/L	ND	0.050	08/25/11 17:15	
beta-BHC	ug/L	ND	0.050	08/25/11 17:15	
Chlordane (Technical)	ug/L	ND	0.50	08/25/11 17:15	
delta-BHC	ug/L	ND	0.050	08/25/11 17:15	
Dieldrin	ug/L	ND	0.075	08/25/11 17:15	
Endosulfan I	ug/L	ND	0.10	08/25/11 17:15	
Endosulfan II	ug/L	ND	0.10	08/25/11 17:15	
Endosulfan sulfate	ug/L	ND	0.10	08/25/11 17:15	
Endrin	ug/L	ND	0.10	08/25/11 17:15	
Endrin aldehyde	ug/L	ND	0.10	08/25/11 17:15	
gamma-BHC (Lindane)	ug/L	ND	0.050	08/25/11 17:15	
Heptachlor	ug/L	ND	0.050	08/25/11 17:15	
Heptachlor epoxide	ug/L	ND	0.075	08/25/11 17:15	
Methoxychlor	ug/L	ND	1.0	08/25/11 17:15	
Toxaphene	ug/L	ND	1.5	08/25/11 17:15	
Decachlorobiphenyl (S)	%	105	20-130	08/25/11 17:15	
Tetrachloro-m-xylene (S)	%	81	20-130	08/25/11 17:15	

LABORATORY CONTROL SAMPLE: 651409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.25	0.17	68	20-150	
4,4'-DDE	ug/L	.25	0.14	58	20-150	
4,4'-DDT	ug/L	.25	0.16	66	20-150	
Aldrin	ug/L	.25	0.17	67	20-150	
alpha-BHC	ug/L	.25	0.18	74	20-150	
beta-BHC	ug/L	.25	0.18	75	20-150	
delta-BHC	ug/L	.25	0.18	72	20-150	
Dieldrin	ug/L	.25	0.15	62	20-150	
Endosulfan I	ug/L	.25	0.19	78	20-150	
Endosulfan II	ug/L	.25	0.23	92	20-150	
Endosulfan sulfate	ug/L	.25	0.24	96	20-150	
Endrin	ug/L	.25	0.16	65	20-150	
Endrin aldehyde	ug/L	.25	0.16	65	20-150	
gamma-BHC (Lindane)	ug/L	.25	0.19	75	20-150	
Heptachlor	ug/L	.25	0.18	71	20-150	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

LABORATORY CONTROL SAMPLE: 651409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Heptachlor epoxide	ug/L	.25	0.18	73	20-150	
Methoxychlor	ug/L	.74	0.67J	90	20-150	
Decachlorobiphenyl (S)	%			94	20-130	
Tetrachloro-m-xylene (S)	%			66	20-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 651410 651411

Parameter	Units	92100658007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/L	ND	.25	.25	0.21	0.21	83	85	20-150	2	30	
4,4'-DDE	ug/L	ND	.25	.25	0.18	0.19	72	76	20-150	5	30	
4,4'-DDT	ug/L	ND	.25	.25	0.21	0.21	84	87	20-150	4	30	
Aldrin	ug/L	ND	.25	.25	0.21	0.22	84	90	20-150	8	30	
alpha-BHC	ug/L	ND	.25	.25	0.21	0.23	86	94	20-150	9	30	
beta-BHC	ug/L	ND	.25	.25	0.21	0.23	87	93	20-150	7	30	
delta-BHC	ug/L	ND	.25	.25	0.21	0.23	85	93	20-150	9	30	
Dieldrin	ug/L	ND	.25	.25	0.18	0.19	73	79	20-150	7	30	
Endosulfan I	ug/L	ND	.25	.25	0.23	0.24	92	98	20-150	7	30	
Endosulfan II	ug/L	ND	.25	.25	0.26	0.27	105	109	20-150	4	30	
Endosulfan sulfate	ug/L	ND	.25	.25	0.27	0.28	111	114	20-150	3	30	
Endrin	ug/L	ND	.25	.25	0.20	0.22	81	88	20-150	8	30	
Endrin aldehyde	ug/L	ND	.25	.25	0.20	0.21	81	83	20-150	3	30	
gamma-BHC (Lindane)	ug/L	ND	.25	.25	0.22	0.24	88	96	20-150	9	30	
Heptachlor	ug/L	ND	.25	.25	0.23	0.25	92	100	20-150	9	30	
Heptachlor epoxide	ug/L	ND	.25	.25	0.21	0.23	85	92	20-150	8	30	
Methoxychlor	ug/L	ND	.74	.74	0.81J	0.82J	109	110	20-150	1	30	
Decachlorobiphenyl (S)	%						83	88	20-130			
Tetrachloro-m-xylene (S)	%						76	82	20-130			

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: OEXT/14634 Analysis Method: EPA 8082
QC Batch Method: EPA 3510 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 92100658001, 92100658002, 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009, 92100658010, 92100658011

METHOD BLANK: 651417 Matrix: Water
Associated Lab Samples: 92100658001, 92100658002, 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009, 92100658010, 92100658011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.50	08/25/11 13:40	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.50	08/25/11 13:40	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.50	08/25/11 13:40	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.50	08/25/11 13:40	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.50	08/25/11 13:40	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.50	08/25/11 13:40	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.50	08/25/11 13:40	
Decachlorobiphenyl (S)	%	86	10-132	08/25/11 13:40	

LABORATORY CONTROL SAMPLE: 651418

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	3.5	70	50-150	
PCB-1260 (Aroclor 1260)	ug/L	5	3.3	67	50-150	
Decachlorobiphenyl (S)	%			84	10-132	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: GCSV/5485 Analysis Method: EPA 8151
QC Batch Method: EPA 8151 Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 92100658001, 92100658002, 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009, 92100658010, 92100658011

METHOD BLANK: 241336 Matrix: Water
Associated Lab Samples: 92100658001, 92100658002, 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009, 92100658010, 92100658011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	ND	2.0	08/30/11 00:38	
2,4,5-TP (Silvex)	ug/L	ND	2.0	08/30/11 00:38	
2,4-D	ug/L	ND	2.0	08/30/11 00:38	
Dinoseb	ug/L	ND	1.0	08/30/11 00:38	
2,4-DCPA (S)	%	109	65.5-125.7	08/30/11 00:38	

LABORATORY CONTROL SAMPLE: 241337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	1.2	1.4J	114	66.7-116.7	
2,4,5-TP (Silvex)	ug/L	1.2	1.5J	125	65.6-127.9	
2,4-D	ug/L	6	7.6	127	62-135.6	
Dinoseb	ug/L	1.2	1.2	101	44-111.8	
2,4-DCPA (S)	%			115	65.5-125.7	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 241600 241601

Parameter	Units	92100658001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,5-T	ug/L				2.6J	3.0J				16	40	
2,4,5-TP (Silvex)	ug/L	ND	2.4		3.2J	3.1J	132		65.6-127			M1
2,4-D	ug/L	ND	12	12	14.0	14.9	117	124	62-135.6	6	40	
Dinoseb	ug/L				2.6	2.8				8	40	
2,4-DCPA (S)	%						120	125	65.5-125			

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: MPRP/8952 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92100658001, 92100658002, 92100658004, 92100658005, 92100658006, 92100658007

METHOD BLANK: 651159 Matrix: Water
Associated Lab Samples: 92100658001, 92100658002, 92100658004, 92100658005, 92100658006, 92100658007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	08/26/11 03:53	
Arsenic	ug/L	ND	10.0	08/26/11 03:53	
Barium	ug/L	ND	100	08/26/11 03:53	
Beryllium	ug/L	ND	1.0	08/26/11 03:53	
Cadmium	ug/L	ND	1.0	08/26/11 03:53	
Chromium	ug/L	ND	10.0	08/26/11 03:53	
Cobalt	ug/L	ND	10.0	08/26/11 03:53	
Copper	ug/L	ND	10.0	08/26/11 03:53	
Iron	ug/L	ND	300	08/26/11 03:53	
Lead	ug/L	ND	10.0	08/26/11 03:53	
Nickel	ug/L	ND	50.0	08/26/11 03:53	
Selenium	ug/L	ND	10.0	08/26/11 03:53	
Silver	ug/L	ND	10.0	08/26/11 03:53	
Thallium	ug/L	ND	5.5	08/26/11 03:53	
Tin	ug/L	ND	100	08/26/11 03:53	
Vanadium	ug/L	ND	25.0	08/26/11 03:53	
Zinc	ug/L	ND	10.0	08/26/11 03:53	

LABORATORY CONTROL SAMPLE: 651160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	481	96	80-120	
Arsenic	ug/L	500	490	98	80-120	
Barium	ug/L	500	480	96	80-120	
Beryllium	ug/L	500	516	103	80-120	
Cadmium	ug/L	500	510	102	80-120	
Chromium	ug/L	500	517	103	80-120	
Cobalt	ug/L	500	502	100	80-120	
Copper	ug/L	500	470	94	80-120	
Iron	ug/L	5000	5010	100	80-120	
Lead	ug/L	500	503	101	80-120	
Nickel	ug/L	500	507	101	80-120	
Selenium	ug/L	500	489	98	80-120	
Silver	ug/L	250	257	103	80-120	
Thallium	ug/L	500	456	91	80-120	
Tin	ug/L	500	510	102	80-120	
Vanadium	ug/L	500	490	98	80-120	
Zinc	ug/L	500	525	105	80-120	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

MATRIX SPIKE SAMPLE: 651161

Parameter	Units	92100524012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	539	108	75-125	
Arsenic	ug/L	56.0	500	628	114	75-125	
Barium	ug/L	355	500	776	84	75-125	
Beryllium	ug/L	ND	500	459	92	75-125	
Cadmium	ug/L	ND	500	443	89	75-125	
Chromium	ug/L	59.6	500	532	94	75-125	
Cobalt	ug/L	9.1J	500	442	87	75-125	
Copper	ug/L	ND	500	543	108	75-125	
Iron	ug/L	6890	5000	11200	86	75-125	
Lead	ug/L	ND	500	404	81	75-125	
Nickel	ug/L	62.2	500	489	85	75-125	
Selenium	ug/L	ND	500	549	110	75-125	
Silver	ug/L	ND	250	315	125	75-125	
Thallium	ug/L	ND	500	340	68	75-125	M1
Tin	ug/L	11.1J	500	469	92	75-125	
Vanadium	ug/L	12.8J	500	476	93	75-125	
Zinc	ug/L	89.1	500	666	115	75-125	

SAMPLE DUPLICATE: 651162

Parameter	Units	92100654001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	ND	ND		25	
Barium	ug/L	65.0J	63.8J	2	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	ND	ND		25	
Iron	ug/L	1690	1660	2	25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	ND	ND		25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	ND	ND		25	
Thallium	ug/L	ND	ND		25	
Tin	ug/L	ND	ND		25	
Vanadium	ug/L	ND	ND		25	
Zinc	ug/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: MPRP/8960
Analysis Method: EPA 6010
QC Batch Method: EPA 3010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92100658008, 92100658009

METHOD BLANK: 651672
Matrix: Water
Associated Lab Samples: 92100658008, 92100658009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	08/26/11 16:38	
Arsenic	ug/L	ND	10.0	08/26/11 16:38	
Barium	ug/L	ND	100	08/26/11 16:38	
Beryllium	ug/L	ND	1.0	08/26/11 16:38	
Cadmium	ug/L	ND	1.0	08/26/11 16:38	
Chromium	ug/L	ND	10.0	08/26/11 16:38	
Cobalt	ug/L	ND	10.0	08/26/11 16:38	
Copper	ug/L	ND	10.0	08/26/11 16:38	
Lead	ug/L	ND	10.0	08/26/11 16:38	
Nickel	ug/L	ND	50.0	08/26/11 16:38	
Selenium	ug/L	ND	10.0	08/26/11 16:38	
Silver	ug/L	ND	10.0	08/26/11 16:38	
Thallium	ug/L	ND	5.5	08/26/11 16:38	
Tin	ug/L	ND	100	08/26/11 16:38	
Vanadium	ug/L	ND	25.0	08/26/11 16:38	
Zinc	ug/L	ND	10.0	08/26/11 16:38	

LABORATORY CONTROL SAMPLE: 651673

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	507	101	80-120	
Arsenic	ug/L	500	512	102	80-120	
Barium	ug/L	500	503	101	80-120	
Beryllium	ug/L	500	508	102	80-120	
Cadmium	ug/L	500	513	103	80-120	
Chromium	ug/L	500	496	99	80-120	
Cobalt	ug/L	500	502	100	80-120	
Copper	ug/L	500	513	103	80-120	
Lead	ug/L	500	504	101	80-120	
Nickel	ug/L	500	503	101	80-120	
Selenium	ug/L	500	528	106	80-120	
Silver	ug/L	250	255	102	80-120	
Thallium	ug/L	500	503	101	80-120	
Tin	ug/L	500	505	101	80-120	
Vanadium	ug/L	500	488	98	80-120	
Zinc	ug/L	500	503	101	80-120	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

MATRIX SPIKE SAMPLE: 651674

Parameter	Units	92100658008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	508	102	75-125	
Arsenic	ug/L	ND	500	519	103	75-125	
Barium	ug/L	118	500	614	99	75-125	
Beryllium	ug/L	ND	500	498	100	75-125	
Cadmium	ug/L	ND	500	508	102	75-125	
Chromium	ug/L	ND	500	487	96	75-125	
Cobalt	ug/L	ND	500	494	99	75-125	
Copper	ug/L	ND	500	508	101	75-125	
Lead	ug/L	ND	500	486	97	75-125	
Nickel	ug/L	ND	500	493	98	75-125	
Selenium	ug/L	ND	500	527	105	75-125	
Silver	ug/L	ND	250	248	99	75-125	
Thallium	ug/L	ND	500	480	96	75-125	
Tin	ug/L	ND	500	494	99	75-125	
Vanadium	ug/L	5.2J	500	489	97	75-125	
Zinc	ug/L	12.4	500	505	99	75-125	

SAMPLE DUPLICATE: 651675

Parameter	Units	92100658009 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	7.0J	7.0J	0	25	
Barium	ug/L	34.1J	33.9J	1	25	
Beryllium	ug/L	ND	ND		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	22.0	21.2	4	25	
Cobalt	ug/L	ND	ND		25	
Copper	ug/L	ND	ND		25	
Lead	ug/L	12.1	11.9	2	25	
Nickel	ug/L	ND	ND		25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	ND	ND		25	
Thallium	ug/L	ND	ND		25	
Tin	ug/L	ND	ND		25	
Vanadium	ug/L	55.2	54.5	1	25	
Zinc	ug/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: MERP/3704 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92100658001, 92100658002, 92100658004, 92100658005, 92100658006, 92100658007

METHOD BLANK: 651745 Matrix: Water
Associated Lab Samples: 92100658001, 92100658002, 92100658004, 92100658005, 92100658006, 92100658007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/26/11 13:18	

LABORATORY CONTROL SAMPLE: 651746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.1	83	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 651747 651748

Parameter	Units	92100586020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.3	2.2	89	87	75-125	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 651749 651750

Parameter	Units	92100586021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.62	2.5	2.5	2.9	2.7	92	83	75-125	8	25	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: MERP/3709
Analysis Method: EPA 7470
QC Batch Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 92100658008, 92100658009

METHOD BLANK: 653049
Matrix: Water
Associated Lab Samples: 92100658008, 92100658009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/30/11 13:19	

LABORATORY CONTROL SAMPLE: 653050

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.3	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 653051 653052

Parameter	Units	92100658008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	1.1	1.1	44	41	75-125	6	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 653053 653054

Parameter	Units	92100986004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.0	2.0	80	79	75-125	0	25	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: OEXT/14626
Analysis Method: EPA 8270
QC Batch Method: EPA 3510
Analysis Description: 8270 Water MSSV
Associated Lab Samples: 92100658001, 92100658002

METHOD BLANK: 651234
Matrix: Water
Associated Lab Samples: 92100658001, 92100658002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	ND	10.0	08/24/11 13:36	
1,3,5-Trinitrobenzene	ug/L	ND	10.0	08/24/11 13:36	
1,3-Dinitrobenzene	ug/L	ND	20.0	08/24/11 13:36	
1,4-Naphthoquinone	ug/L	ND	5.0	08/24/11 13:36	
1-Naphthalenamine	ug/L	ND	5.0	08/24/11 13:36	
2,3,4,6-Tetrachlorophenol	ug/L	ND	10.0	08/24/11 13:36	
2,4,5-Trichlorophenol	ug/L	ND	10.0	08/24/11 13:36	
2,4,6-Trichlorophenol	ug/L	ND	10.0	08/24/11 13:36	
2,4-Dichlorophenol	ug/L	ND	10.0	08/24/11 13:36	
2,4-Dimethylphenol	ug/L	ND	10.0	08/24/11 13:36	
2,4-Dinitrophenol	ug/L	ND	50.0	08/24/11 13:36	
2,4-Dinitrotoluene	ug/L	ND	10.0	08/24/11 13:36	
2,6-Dichlorophenol	ug/L	ND	10.0	08/24/11 13:36	
2,6-Dinitrotoluene	ug/L	ND	10.0	08/24/11 13:36	
2-Acetylaminofluorene	ug/L	ND	20.0	08/24/11 13:36	
2-Chloronaphthalene	ug/L	ND	10.0	08/24/11 13:36	
2-Chlorophenol	ug/L	ND	10.0	08/24/11 13:36	
2-Methylnaphthalene	ug/L	ND	10.0	08/24/11 13:36	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	08/24/11 13:36	
2-Naphthalenamine	ug/L	ND	5.0	08/24/11 13:36	
2-Nitroaniline	ug/L	ND	50.0	08/24/11 13:36	
2-Nitrophenol	ug/L	ND	10.0	08/24/11 13:36	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	08/24/11 13:36	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	08/24/11 13:36	
3,3'-Dimethylbenzidine	ug/L	ND	10.0	08/24/11 13:36	
3-Methylcholanthrene	ug/L	ND	10.0	08/24/11 13:36	
3-Nitroaniline	ug/L	ND	50.0	08/24/11 13:36	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	08/24/11 13:36	
4-Aminobiphenyl	ug/L	ND	10.0	08/24/11 13:36	
4-Bromophenylphenyl ether	ug/L	ND	10.0	08/24/11 13:36	
4-Chloro-3-methylphenol	ug/L	ND	20.0	08/24/11 13:36	
4-Chloroaniline	ug/L	ND	20.0	08/24/11 13:36	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	08/24/11 13:36	
4-Nitroaniline	ug/L	ND	20.0	08/24/11 13:36	
4-Nitrophenol	ug/L	ND	50.0	08/24/11 13:36	
5-Nitro-o-toluidine	ug/L	ND	10.0	08/24/11 13:36	
7,12-Dimethylbenz(a)anthracene	ug/L	ND	10.0	08/24/11 13:36	
Acenaphthene	ug/L	ND	10.0	08/24/11 13:36	
Acenaphthylene	ug/L	ND	10.0	08/24/11 13:36	
Acetophenone	ug/L	ND	10.0	08/24/11 13:36	
Anthracene	ug/L	ND	10.0	08/24/11 13:36	
Benzo(a)anthracene	ug/L	ND	10.0	08/24/11 13:36	
Benzo(a)pyrene	ug/L	1.0J	10.0	08/24/11 13:36	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

METHOD BLANK: 651234 Matrix: Water

Associated Lab Samples: 92100658001, 92100658002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzo(b)fluoranthene	ug/L	ND	10.0	08/24/11 13:36	
Benzo(g,h,i)perylene	ug/L	ND	10.0	08/24/11 13:36	
Benzo(k)fluoranthene	ug/L	ND	10.0	08/24/11 13:36	
Benzyl alcohol	ug/L	ND	20.0	08/24/11 13:36	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	08/24/11 13:36	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	08/24/11 13:36	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	08/24/11 13:36	
bis(2-Ethylhexyl)phthalate	ug/L	ND	15.0	08/24/11 13:36	
Butylbenzylphthalate	ug/L	ND	10.0	08/24/11 13:36	
Chlorobenzilate	ug/L	ND	10.0	08/24/11 13:36	
Chrysene	ug/L	ND	10.0	08/24/11 13:36	
Di-n-butylphthalate	ug/L	ND	10.0	08/24/11 13:36	
Di-n-octylphthalate	ug/L	ND	10.0	08/24/11 13:36	
Diallate	ug/L	ND	10.0	08/24/11 13:36	
Dibenz(a,h)anthracene	ug/L	ND	10.0	08/24/11 13:36	
Dibenzofuran	ug/L	ND	10.0	08/24/11 13:36	
Diethylphthalate	ug/L	ND	10.0	08/24/11 13:36	
Dimethoate	ug/L	ND	10.0	08/24/11 13:36	
Dimethylphthalate	ug/L	ND	10.0	08/24/11 13:36	
Diphenylamine	ug/L	ND	10.0	08/24/11 13:36	
Disulfoton	ug/L	ND	10.0	08/24/11 13:36	
Ethyl methanesulfonate	ug/L	ND	20.0	08/24/11 13:36	
Famphur	ug/L	ND	10.0	08/24/11 13:36	
Fluoranthene	ug/L	ND	10.0	08/24/11 13:36	
Fluorene	ug/L	ND	10.0	08/24/11 13:36	
Hexachlorobenzene	ug/L	ND	10.0	08/24/11 13:36	
Hexachlorocyclopentadiene	ug/L	ND	10.0	08/24/11 13:36	
Hexachloroethane	ug/L	ND	10.0	08/24/11 13:36	
Hexachloropropene	ug/L	ND	10.0	08/24/11 13:36	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	08/24/11 13:36	
Isodrin	ug/L	ND	20.0	08/24/11 13:36	
Isophorone	ug/L	ND	10.0	08/24/11 13:36	
Isosafrole	ug/L	ND	10.0	08/24/11 13:36	
Kepone	ug/L	ND	10.0	08/24/11 13:36	
Methapyrilene	ug/L	ND	100	08/24/11 13:36	
Methyl methanesulfonate	ug/L	ND	5.0	08/24/11 13:36	
Methyl parathion	ug/L	ND	10.0	08/24/11 13:36	
N-Nitroso-di-n-butylamine	ug/L	ND	10.0	08/24/11 13:36	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	08/24/11 13:36	
N-Nitrosodiethylamine	ug/L	ND	20.0	08/24/11 13:36	
N-Nitrosodimethylamine	ug/L	ND	10.0	08/24/11 13:36	
N-Nitrosodiphenylamine	ug/L	ND	10.0	08/24/11 13:36	
N-Nitrosomethylethylamine	ug/L	ND	10.0	08/24/11 13:36	
N-Nitrosopiperidine	ug/L	ND	20.0	08/24/11 13:36	
N-Nitrosopyrrolidine	ug/L	ND	10.0	08/24/11 13:36	
Nitrobenzene	ug/L	ND	10.0	08/24/11 13:36	
O,O,O-Triethylphosphorothioate	ug/L	ND	10.0	08/24/11 13:36	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

METHOD BLANK: 651234 Matrix: Water

Associated Lab Samples: 92100658001, 92100658002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
O-Toluidine	ug/L	ND	10.0	08/24/11 13:36	
P-Dimethylaminoazobenzene	ug/L	ND	5.0	08/24/11 13:36	
p-Phenylenediamine	ug/L	ND	10.0	08/24/11 13:36	
Parathion (Ethyl parathion)	ug/L	ND	10.0	08/24/11 13:36	
Pentachlorobenzene	ug/L	ND	10.0	08/24/11 13:36	
Pentachloronitrobenzene	ug/L	ND	20.0	08/24/11 13:36	
Pentachlorophenol	ug/L	ND	25.0	08/24/11 13:36	
Phenacetin	ug/L	ND	20.0	08/24/11 13:36	
Phenanthrene	ug/L	ND	10.0	08/24/11 13:36	
Phenol	ug/L	ND	10.0	08/24/11 13:36	
Phorate	ug/L	ND	10.0	08/24/11 13:36	
Pronamide	ug/L	ND	10.0	08/24/11 13:36	
Pyrene	ug/L	ND	10.0	08/24/11 13:36	
Safrole	ug/L	ND	10.0	08/24/11 13:36	
Thionazin	ug/L	ND	20.0	08/24/11 13:36	
2,4,6-Tribromophenol (S)	%	52	27-110	08/24/11 13:36	
2-Fluorobiphenyl (S)	%	46	27-110	08/24/11 13:36	
2-Fluorophenol (S)	%	28	12-110	08/24/11 13:36	
Nitrobenzene-d5 (S)	%	44	21-110	08/24/11 13:36	
Phenol-d6 (S)	%	16	10-110	08/24/11 13:36	
Terphenyl-d14 (S)	%	53	31-107	08/24/11 13:36	

LABORATORY CONTROL SAMPLE: 651235

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	50	32.9	66	17-115	
1,3,5-Trinitrobenzene	ug/L	50	45.8	92	17-115	
1,3-Dinitrobenzene	ug/L	50	33.4	67	17-115	
1,4-Naphthoquinone	ug/L	50	35.0	70	17-115	
1-Naphthalenamine	ug/L	50	35.6	71	17-115	
2,3,4,6-Tetrachlorophenol	ug/L	50	55.1	110	17-115	
2,4,5-Trichlorophenol	ug/L	50	31.3	63	23-116	
2,4,6-Trichlorophenol	ug/L	50	35.0	70	21-114	
2,4-Dichlorophenol	ug/L	50	29.8	60	22-120	
2,4-Dimethylphenol	ug/L	50	27.7	55	15-109	
2,4-Dinitrophenol	ug/L	250	103	41	10-103	
2,4-Dinitrotoluene	ug/L	50	35.2	70	24-119	
2,6-Dichlorophenol	ug/L	50	42.3	85	17-115	
2,6-Dinitrotoluene	ug/L	50	35.1	70	25-116	
2-Acetylaminofluorene	ug/L	50	41.1	82	17-115	
2-Chloronaphthalene	ug/L	50	35.8	72	18-110	
2-Chlorophenol	ug/L	50	32.9	66	10-104	
2-Methylnaphthalene	ug/L	50	25.7	51	16-110	
2-Methylphenol(o-Cresol)	ug/L	50	26.5	53	13-110	
2-Naphthalenamine	ug/L	50	34.3	69	17-115	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

LABORATORY CONTROL SAMPLE: 651235

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitroaniline	ug/L	100	68.2	68	20-117	
2-Nitrophenol	ug/L	50	26.5	53	16-108	
3&4-Methylphenol(m&p Cresol)	ug/L	50	23.1	46	14-110	
3,3'-Dichlorobenzidine	ug/L	250	65.3	26	13-131	
3,3'-Dimethylbenzidine	ug/L	100	69.8	70	17-115	
3-Methylcholanthrene	ug/L	50	34.0	68	17-115	
3-Nitroaniline	ug/L	100	63.7	64	15-117	
4,6-Dinitro-2-methylphenol	ug/L	100	59.9	60	13-119	
4-Aminobiphenyl	ug/L	50	34.3	69	17-115	
4-Bromophenylphenyl ether	ug/L	50	35.7	71	23-120	
4-Chloro-3-methylphenol	ug/L	100	58.3	58	21-119	
4-Chloroaniline	ug/L	100	54.0	54	10-122	
4-Chlorophenylphenyl ether	ug/L	50	34.6	69	22-112	
4-Nitroaniline	ug/L	100	66.0	66	14-118	
4-Nitrophenol	ug/L	250	72.0	29	10-110	
5-Nitro-o-toluidine	ug/L	50	39.3	79	17-115	
7,12-Dimethylbenz(a)anthracene	ug/L	50	33.6	67	50-150	
Acenaphthene	ug/L	50	32.3	65	20-105	
Acenaphthylene	ug/L	50	32.0	64	23-106	
Acetophenone	ug/L	50	33.3	67	17-115	
Anthracene	ug/L	50	36.0	72	25-120	
Benzo(a)anthracene	ug/L	50	35.3	71	21-128	
Benzo(a)pyrene	ug/L	50	29.9	60	25-116	
Benzo(b)fluoranthene	ug/L	50	30.1	60	23-117	
Benzo(g,h,i)perylene	ug/L	50	31.7	63	17-128	
Benzo(k)fluoranthene	ug/L	50	32.1	64	25-127	
Benzyl alcohol	ug/L	100	59.3	59	10-101	
bis(2-Chloroethoxy)methane	ug/L	50	36.9	74	19-107	
bis(2-Chloroethyl) ether	ug/L	50	34.0	68	10-108	
bis(2-Chloroisopropyl) ether	ug/L	50	34.5	69	10-108	
bis(2-Ethylhexyl)phthalate	ug/L	50	32.8	66	16-123	
Butylbenzylphthalate	ug/L	50	33.8	68	20-118	
Chlorobenzilate	ug/L	50	35.8	72	17-115	
Chrysene	ug/L	50	35.6	71	24-125	
Di-n-butylphthalate	ug/L	50	35.0	70	23-115	
Di-n-octylphthalate	ug/L	50	31.0	62	20-115	
Diallate	ug/L	50	41.6	83	17-115	
Dibenz(a,h)anthracene	ug/L	50	30.0	60	18-131	
Dibenzofuran	ug/L	50	34.3	69	23-106	
Diethylphthalate	ug/L	50	32.7	65	24-115	
Dimethoate	ug/L	50	38.8	78	17-115	
Dimethylphthalate	ug/L	50	33.4	67	22-113	
Diphenylamine	ug/L	50	34.6	69	17-115	
Disulfoton	ug/L	50	45.6	91	17-115	
Ethyl methanesulfonate	ug/L	50	41.9	84	17-115	
Famphur	ug/L	100	54.5	55	17-115	
Fluoranthene	ug/L	50	38.3	77	24-125	
Fluorene	ug/L	50	33.2	66	24-114	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

LABORATORY CONTROL SAMPLE: 651235

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/L	50	34.0	68	22-127	
Hexachlorocyclopentadiene	ug/L	50	24.3	49	10-110	
Hexachloroethane	ug/L	50	25.1	50	10-110	
Hexachloropropene	ug/L	50	27.1	54	17-115	
Indeno(1,2,3-cd)pyrene	ug/L	50	31.2	62	18-130	
Isodrin	ug/L	50	40.6	81	17-115	
Isophorone	ug/L	50	29.2	58	23-114	
Isosafrole	ug/L	50	35.1	70	17-115	
Kepone	ug/L	100	ND	0	17-115	L2
Methapyrilene	ug/L	50	60.2J	120	17-115	L3
Methyl methanesulfonate	ug/L	50	31.1	62	17-115	
Methyl parathion	ug/L	50	40.0	80	17-115	
N-Nitroso-di-n-butylamine	ug/L	50	37.8	76	17-115	
N-Nitroso-di-n-propylamine	ug/L	50	32.3	65	21-114	
N-Nitrosodiethylamine	ug/L	50	39.1	78	17-115	
N-Nitrosodimethylamine	ug/L	50	22.9	46	10-110	
N-Nitrosodiphenylamine	ug/L	50	34.6	69	24-123	
N-Nitrosomethylethylamine	ug/L	50	37.5	75	17-115	
N-Nitrosopiperidine	ug/L	50	39.0	78	17-115	
N-Nitrosopyrrolidine	ug/L	50	34.8	70	17-115	
Nitrobenzene	ug/L	50	27.6	55	16-106	
O,O,O-Triethylphosphorothioate	ug/L	50	40.5	81	17-115	
O-Toluidine	ug/L	50	34.3	69	17-115	
P-Dimethylaminoazobenzene	ug/L	100	38.6	39	17-115	
p-Phenylenediamine	ug/L	50	42.2	84	17-115	
Parathion (Ethyl parathion)	ug/L	50	39.8	80	17-115	
Pentachlorobenzene	ug/L	50	35.6	71	17-115	
Pentachloronitrobenzene	ug/L	50	36.4	73	17-115	
Pentachlorophenol	ug/L	250	43.1	17	10-123	
Phenacetin	ug/L	50	36.2	72	17-115	
Phenanthrene	ug/L	50	34.6	69	25-119	
Phenol	ug/L	50	17.4	35	10-110	
Phorate	ug/L	50	45.8	92	17-115	
Pronamide	ug/L	50	43.1	86	17-115	
Pyrene	ug/L	50	33.3	67	22-127	
Safrole	ug/L	50	40.2	80	17-115	
Thionazin	ug/L	50	37.9	76	17-115	
2,4,6-Tribromophenol (S)	%			74	27-110	
2-Fluorobiphenyl (S)	%			65	27-110	
2-Fluorophenol (S)	%			42	12-110	
Nitrobenzene-d5 (S)	%			55	21-110	
Phenol-d6 (S)	%			28	10-110	
Terphenyl-d14 (S)	%			70	31-107	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 651236 651237

Parameter	Units	92100586014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/L	ND	100	100	62.8	61.7	63	62	50-150	2	30	
1,3,5-Trinitrobenzene	ug/L	ND	100	100	97.2	93.5	97	93	50-150	4	30	
1,3-Dinitrobenzene	ug/L	ND	100	100	72.2	67.9	72	68	50-150	6	30	
1,4-Naphthoquinone	ug/L	ND	100	100	71.8	70.1	72	70	50-150	2	30	
1-Naphthalenamine	ug/L	ND	100	100	77.3	63.2	77	63	50-150	20	30	
2,3,4,6-Tetrachlorophenol	ug/L	ND	100	100	120	120	120	120	50-150	0	30	
2,4,5-Trichlorophenol	ug/L	ND	100	100	64.2	61.6	64	62	19-105	4	30	
2,4,6-Trichlorophenol	ug/L	ND	100	100	73.1	69.9	73	70	13-108	4	30	
2,4-Dichlorophenol	ug/L	ND	100	100	61.5	57.4	62	57	29-111	7	30	
2,4-Dimethylphenol	ug/L	ND	100	100	56.7	52.3	57	52	21-103	8	30	
2,4-Dinitrophenol	ug/L	ND	500	500	242	313	48	63	10-109	25	30	
2,4-Dinitrotoluene	ug/L	ND	100	100	74.6	68.6	75	69	27-104	8	30	
2,6-Dichlorophenol	ug/L	ND	100	100	85.2	80.6	85	81	50-150	6	30	
2,6-Dinitrotoluene	ug/L	ND	100	100	74.4	68.4	74	68	28-101	8	30	
2-Acetylaminofluorene	ug/L	ND	100	100	85.5	81.4	86	81	50-150	5	30	
2-Chloronaphthalene	ug/L	ND	100	100	69.8	65.1	70	65	14-102	7	30	
2-Chlorophenol	ug/L	ND	100	100	67.7	59.2	68	59	16-110	14	30	
2-Methylnaphthalene	ug/L	ND	100	100	49.5	46.2	50	46	13-110	7	30	
2-Methylphenol(o-Cresol)	ug/L	ND	100	100	59.8	55.4	60	55	19-110	8	30	
2-Naphthalenamine	ug/L	ND	100	100	76.5	51.4	77	51	50-150	39	30	R1
2-Nitroaniline	ug/L	ND	200	200	148	139	74	69	26-103	7	30	
2-Nitrophenol	ug/L	ND	100	100	52.5	48.4	52	48	20-110	8	30	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	100	100	57.8	54.3	58	54	20-110	6	30	
3,3'-Dichlorobenzidine	ug/L	ND	500	500	138	125	28	25	25-112	9	30	
3,3'-Dimethylbenzidine	ug/L	ND	200	200	141	54.8	70	27	50-150	88	30	M0, M1, R1
3-Methylcholanthrene	ug/L	ND	100	100	71.8	66.2	72	66	50-150	8	30	
3-Nitroaniline	ug/L	ND	200	200	138	128	69	64	29-110	8	30	
4,6-Dinitro-2-methylphenol	ug/L	ND	200	200	136	140	68	70	10-117	3	30	
4-Aminobiphenyl	ug/L	ND	100	100	62.0	34.1	62	34	50-150	58	30	M0, M1, R1
4-Bromophenylphenyl ether	ug/L	ND	100	100	73.9	69.2	74	69	20-105	7	30	
4-Chloro-3-methylphenol	ug/L	ND	200	200	128	121	64	60	22-110	6	30	
4-Chloroaniline	ug/L	ND	200	200	115	103	58	51	20-100	12	30	
4-Chlorophenylphenyl ether	ug/L	ND	100	100	70.7	66.0	71	66	19-102	7	30	
4-Nitroaniline	ug/L	ND	200	200	141	132	71	66	29-110	7	30	
4-Nitrophenol	ug/L	ND	500	500	227	262	45	52	10-110	14	30	
5-Nitro-o-toluidine	ug/L	ND	100	100	85.8	78.5	86	78	50-150	9	30	
7,12-Dimethylbenz(a)anthracene	ug/L	ND	100	100	70.1	66.0	70	66	50-150	6	30	
Acenaphthene	ug/L	ND	100	100	64.7	61.2	65	61	17-100	5	30	
Acenaphthylene	ug/L	ND	100	100	63.9	60.4	64	60	21-100	6	30	
Acetophenone	ug/L	ND	100	100	70.5	62.4	71	62	50-150	12	30	
Anthracene	ug/L	ND	100	100	72.4	68.8	72	69	24-109	5	30	
Benzo(a)anthracene	ug/L	ND	100	100	71.8	68.9	72	69	22-117	4	30	
Benzo(a)pyrene	ug/L	ND	100	100	62.9	57.5	63	57	23-104	9	30	
Benzo(b)fluoranthene	ug/L	ND	100	100	64.1	60.0	64	60	23-103	7	30	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 651236 651237

Parameter	Units	92100586014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzo(g,h,i)perylene	ug/L	ND	100	100	67.4	61.5	67	61	18-111	9	30	
Benzo(k)fluoranthene	ug/L	ND	100	100	66.9	62.4	67	62	22-113	7	30	
Benzyl alcohol	ug/L	ND	200	200	141	131	70	65	19-101	8	30	
bis(2-Chloroethoxy)methane	ug/L	ND	100	100	72.1	67.3	72	67	22-110	7	30	
bis(2-Chloroethyl) ether	ug/L	ND	100	100	67.4	60.0	67	60	16-110	12	30	
bis(2-Chloroisopropyl) ether	ug/L	ND	100	100	68.7	61.2	69	61	14-110	11	30	
bis(2-Ethylhexyl)phthalate	ug/L	ND	100	100	68.9	65.0	69	65	23-102	6	30	
Butylbenzylphthalate	ug/L	ND	100	100	70.5	65.9	70	66	25-110	7	30	
Chlorobenzilate	ug/L	ND	100	100	75.5	72.1	76	72	50-150	5	30	
Chrysene	ug/L	ND	100	100	73.4	70.0	73	70	23-115	5	30	
Di-n-butylphthalate	ug/L	ND	100	100	70.4	67.1	70	67	26-110	5	30	
Di-n-octylphthalate	ug/L	ND	100	100	64.9	61.2	65	61	22-110	6	30	
Diallate	ug/L	ND	100	100	86.8	82.9	87	83	50-150	5	30	
Dibenz(a,h)anthracene	ug/L	ND	100	100	62.9	58.5	63	58	21-112	7	30	
Dibenzofuran	ug/L	ND	100	100	68.3	64.2	68	64	19-102	6	30	
Diethylphthalate	ug/L	ND	100	100	68.1	64.0	68	64	29-110	6	30	
Dimethoate	ug/L	ND	100	100	79.7	78.1	80	78	50-150	2	30	
Dimethylphthalate	ug/L	ND	100	100	69.5	65.2	70	65	27-110	6	30	
Diphenylamine	ug/L	ND	100	100	71.3	67.3	71	67	50-150	6	30	
Disulfoton	ug/L	ND	100	100	81.8	76.1	82	76	50-150	7	30	
Ethyl methanesulfonate	ug/L	ND	100	100	86.4	76.1	86	76	50-150	13	30	
Famphur	ug/L	ND	200	200	96.4	145	48	73	50-150	41	30	M0, M1, R1
Fluoranthene	ug/L	ND	100	100	73.1	70.1	73	70	23-112	4	30	
Fluorene	ug/L	ND	100	100	67.4	62.7	67	63	22-104	7	30	
Hexachlorobenzene	ug/L	ND	100	100	69.6	65.6	70	66	21-116	6	30	
Hexachlorocyclopentadiene	ug/L	ND	100	100	47.9	44.7	48	45	10-110	7	30	
Hexachloroethane	ug/L	ND	100	100	45.0	40.2	45	40	10-110	11	30	
Hexachloropropene	ug/L	ND	100	100	49.5	46.7	49	47	50-150	6	30	M0,M1
Indeno(1,2,3-cd)pyrene	ug/L	ND	100	100	64.3	59.4	64	59	20-113	8	30	
Isodrin	ug/L	ND	100	100	81.7	80.0	82	80	50-150	2	30	
Isophorone	ug/L	ND	100	100	59.6	55.9	60	56	50-150	6	30	
Isosafrole	ug/L	ND	100	100	70.2	66.6	70	67	50-150	5	30	
Kepone	ug/L	ND	200	200	ND	ND	0	0	50-150		30	M0
Methapyrilene	ug/L	ND	100	100	99.0J	51.1J	99	51	50-150		30	
Methyl methanesulfonate	ug/L	ND	100	100	72.9	66.2	73	66	50-150	10	30	
Methyl parathion	ug/L	ND	100	100	81.4	80.7	81	81	50-150	1	30	
N-Nitroso-di-n-butylamine	ug/L	ND	100	100	88.6	82.9	89	83	50-150	7	30	
N-Nitroso-di-n-propylamine	ug/L	ND	100	100	71.9	65.7	72	66	21-105	9	30	
N-Nitrosodiethylamine	ug/L	ND	100	100	79.0	72.0	79	72	50-150	9	30	
N-Nitrosodimethylamine	ug/L	ND	100	100	54.5	50.3	54	50	10-110	8	30	
N-Nitrosodiphenylamine	ug/L	ND	100	100	71.3	67.3	71	67	23-107	6	30	
N-Nitrosomethylethylamine	ug/L	ND	100	100	77.7	67.6	78	68	50-150	14	30	
N-Nitrosopiperidine	ug/L	ND	100	100	82.4	75.5	82	75	50-150	9	30	
N-Nitrosopyrrolidine	ug/L	ND	100	100	93.6	87.4	94	87	50-150	7	30	
Nitrobenzene	ug/L	ND	100	100	52.1	47.2	52	47	20-110	10	30	
O,O,O-Triethylphosphorothioate	ug/L	ND	100	100	76.1	71.4	76	71	50-150	6	30	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 651236 651237

Parameter	Units	92100586014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
O-Toluidine	ug/L	ND	100	100	75.5	65.4	76	65	50-150	14	30	
P-Dimethylaminoazobenzene	ug/L	ND	200	200	82.1	75.8	41	38	50-150	8	30	M0,M1
p-Phenylenediamine	ug/L	ND	100	100	90.3	84.6	90	85	50-150	7	30	
Parathion (Ethyl parathion)	ug/L	ND	100	100	83.3	77.9	83	78	50-150	7	30	
Pentachlorobenzene	ug/L	ND	100	100	72.1	68.0	72	68	50-150	6	30	
Pentachloronitrobenzene	ug/L	ND	100	100	76.2	74.3	76	74	50-150	3	30	
Pentachlorophenol	ug/L	ND	500	500	106	124	21	25	10-118	15	30	
Phenacetin	ug/L	ND	100	100	74.9	71.5	75	71	50-150	5	30	
Phenanthrene	ug/L	ND	100	100	70.9	66.8	71	67	24-106	6	30	
Phenol	ug/L	ND	100	100	49.7	47.8	50	48	12-110	4	30	
Phorate	ug/L	ND	100	100	97.2	93.5	97	93	50-150	4	30	
Pronamide	ug/L	ND	100	100	88.1	85.2	88	85	50-150	3	30	
Pyrene	ug/L	ND	100	100	70.9	67.4	71	67	24-114	5	30	
Safrole	ug/L	ND	100	100	80.3	74.4	80	74	50-150	8	30	
Thionazin	ug/L	ND	100	100	78.6	73.6	79	74	50-150	7	30	
2,4,6-Tribromophenol (S)	%						75	75	27-110			
2-Fluorobiphenyl (S)	%						64	61	27-110			
2-Fluorophenol (S)	%						50	46	12-110			
Nitrobenzene-d5 (S)	%						54	49	21-110			
Phenol-d6 (S)	%						42	42	10-110			
Terphenyl-d14 (S)	%						75	71	31-107			

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: OEXT/14636 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009, 92100658010, 92100658011

METHOD BLANK: 651460 Matrix: Water
Associated Lab Samples: 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009, 92100658010, 92100658011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	ND	10.0	08/26/11 11:20	
1,3,5-Trinitrobenzene	ug/L	ND	10.0	08/26/11 11:20	
1,3-Dinitrobenzene	ug/L	ND	20.0	08/26/11 11:20	
1,4-Naphthoquinone	ug/L	ND	5.0	08/26/11 11:20	
1-Naphthalenamine	ug/L	ND	5.0	08/26/11 11:20	
2,3,4,6-Tetrachlorophenol	ug/L	ND	10.0	08/26/11 11:20	
2,4,5-Trichlorophenol	ug/L	ND	10.0	08/26/11 11:20	
2,4,6-Trichlorophenol	ug/L	ND	10.0	08/26/11 11:20	
2,4-Dichlorophenol	ug/L	ND	10.0	08/26/11 11:20	
2,4-Dimethylphenol	ug/L	ND	10.0	08/26/11 11:20	
2,4-Dinitrophenol	ug/L	ND	50.0	08/26/11 11:20	
2,4-Dinitrotoluene	ug/L	ND	10.0	08/26/11 11:20	
2,6-Dichlorophenol	ug/L	ND	10.0	08/26/11 11:20	
2,6-Dinitrotoluene	ug/L	ND	10.0	08/26/11 11:20	
2-Acetylaminofluorene	ug/L	ND	20.0	08/26/11 11:20	
2-Chloronaphthalene	ug/L	ND	10.0	08/26/11 11:20	
2-Chlorophenol	ug/L	ND	10.0	08/26/11 11:20	
2-Methylnaphthalene	ug/L	ND	10.0	08/26/11 11:20	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	08/26/11 11:20	
2-Naphthalenamine	ug/L	ND	5.0	08/26/11 11:20	
2-Nitroaniline	ug/L	ND	50.0	08/26/11 11:20	
2-Nitrophenol	ug/L	ND	10.0	08/26/11 11:20	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	08/26/11 11:20	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	08/26/11 11:20	
3,3'-Dimethylbenzidine	ug/L	ND	10.0	08/26/11 11:20	
3-Methylcholanthrene	ug/L	ND	10.0	08/26/11 11:20	
3-Nitroaniline	ug/L	ND	50.0	08/26/11 11:20	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	08/26/11 11:20	
4-Aminobiphenyl	ug/L	ND	10.0	08/26/11 11:20	
4-Bromophenylphenyl ether	ug/L	ND	10.0	08/26/11 11:20	
4-Chloro-3-methylphenol	ug/L	ND	20.0	08/26/11 11:20	
4-Chloroaniline	ug/L	ND	20.0	08/26/11 11:20	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	08/26/11 11:20	
4-Nitroaniline	ug/L	ND	20.0	08/26/11 11:20	
4-Nitrophenol	ug/L	ND	50.0	08/26/11 11:20	
5-Nitro-o-toluidine	ug/L	ND	10.0	08/26/11 11:20	
7,12-Dimethylbenz(a)anthracene	ug/L	ND	10.0	08/26/11 11:20	
Acenaphthene	ug/L	ND	10.0	08/26/11 11:20	
Acenaphthylene	ug/L	ND	10.0	08/26/11 11:20	
Acetophenone	ug/L	ND	10.0	08/26/11 11:20	
Anthracene	ug/L	ND	10.0	08/26/11 11:20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

METHOD BLANK: 651460 Matrix: Water

Associated Lab Samples: 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009, 92100658010, 92100658011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzo(a)anthracene	ug/L	ND	10.0	08/26/11 11:20	
Benzo(a)pyrene	ug/L	ND	10.0	08/26/11 11:20	
Benzo(b)fluoranthene	ug/L	ND	10.0	08/26/11 11:20	
Benzo(g,h,i)perylene	ug/L	ND	10.0	08/26/11 11:20	
Benzo(k)fluoranthene	ug/L	ND	10.0	08/26/11 11:20	
Benzyl alcohol	ug/L	ND	20.0	08/26/11 11:20	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	08/26/11 11:20	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	08/26/11 11:20	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	08/26/11 11:20	
bis(2-Ethylhexyl)phthalate	ug/L	ND	15.0	08/26/11 11:20	
Butylbenzylphthalate	ug/L	ND	10.0	08/26/11 11:20	
Chlorobenzilate	ug/L	ND	10.0	08/26/11 11:20	
Chrysene	ug/L	ND	10.0	08/26/11 11:20	
Di-n-butylphthalate	ug/L	ND	10.0	08/26/11 11:20	
Di-n-octylphthalate	ug/L	ND	10.0	08/26/11 11:20	
Diallate	ug/L	ND	10.0	08/26/11 11:20	
Dibenz(a,h)anthracene	ug/L	ND	10.0	08/26/11 11:20	
Dibenzofuran	ug/L	ND	10.0	08/26/11 11:20	
Diethylphthalate	ug/L	ND	10.0	08/26/11 11:20	
Dimethoate	ug/L	ND	10.0	08/26/11 11:20	
Dimethylphthalate	ug/L	ND	10.0	08/26/11 11:20	
Diphenylamine	ug/L	ND	10.0	08/26/11 11:20	
Disulfoton	ug/L	ND	10.0	08/26/11 11:20	
Ethyl methanesulfonate	ug/L	ND	20.0	08/26/11 11:20	
Famphur	ug/L	ND	10.0	08/26/11 11:20	
Fluoranthene	ug/L	ND	10.0	08/26/11 11:20	
Fluorene	ug/L	ND	10.0	08/26/11 11:20	
Hexachlorobenzene	ug/L	ND	10.0	08/26/11 11:20	
Hexachlorocyclopentadiene	ug/L	ND	10.0	08/26/11 11:20	
Hexachloroethane	ug/L	ND	10.0	08/26/11 11:20	
Hexachloropropene	ug/L	ND	10.0	08/26/11 11:20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	08/26/11 11:20	
Isodrin	ug/L	ND	20.0	08/26/11 11:20	
Isophorone	ug/L	ND	10.0	08/26/11 11:20	
Isosafrole	ug/L	ND	10.0	08/26/11 11:20	
Kepone	ug/L	ND	10.0	08/26/11 11:20	
Methapyrilene	ug/L	ND	100	08/26/11 11:20	
Methyl methanesulfonate	ug/L	ND	5.0	08/26/11 11:20	
Methyl parathion	ug/L	ND	10.0	08/26/11 11:20	
N-Nitroso-di-n-butylamine	ug/L	ND	10.0	08/26/11 11:20	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	08/26/11 11:20	
N-Nitrosodiethylamine	ug/L	ND	20.0	08/26/11 11:20	
N-Nitrosodimethylamine	ug/L	ND	10.0	08/26/11 11:20	
N-Nitrosodiphenylamine	ug/L	ND	10.0	08/26/11 11:20	
N-Nitrosomethylethylamine	ug/L	ND	10.0	08/26/11 11:20	
N-Nitrosopiperidine	ug/L	ND	20.0	08/26/11 11:20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

METHOD BLANK: 651460 Matrix: Water

Associated Lab Samples: 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009, 92100658010, 92100658011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitrosopyrrolidine	ug/L	ND	10.0	08/26/11 11:20	
Nitrobenzene	ug/L	ND	10.0	08/26/11 11:20	
O,O,O-Triethylphosphorothioate	ug/L	ND	10.0	08/26/11 11:20	
O-Toluidine	ug/L	ND	10.0	08/26/11 11:20	
P-Dimethylaminoazobenzene	ug/L	ND	5.0	08/26/11 11:20	
p-Phenylenediamine	ug/L	ND	10.0	08/26/11 11:20	
Parathion (Ethyl parathion)	ug/L	ND	10.0	08/26/11 11:20	
Pentachlorobenzene	ug/L	ND	10.0	08/26/11 11:20	
Pentachloronitrobenzene	ug/L	ND	20.0	08/26/11 11:20	
Pentachlorophenol	ug/L	ND	25.0	08/26/11 11:20	
Phenacetin	ug/L	ND	20.0	08/26/11 11:20	
Phenanthrene	ug/L	ND	10.0	08/26/11 11:20	
Phenol	ug/L	ND	10.0	08/26/11 11:20	
Phorate	ug/L	ND	10.0	08/26/11 11:20	
Pronamide	ug/L	ND	10.0	08/26/11 11:20	
Pyrene	ug/L	ND	10.0	08/26/11 11:20	
Safrole	ug/L	ND	10.0	08/26/11 11:20	
Thionazin	ug/L	ND	20.0	08/26/11 11:20	
2,4,6-Tribromophenol (S)	%	69	27-110	08/26/11 11:20	
2-Fluorobiphenyl (S)	%	60	27-110	08/26/11 11:20	
2-Fluorophenol (S)	%	37	12-110	08/26/11 11:20	
Nitrobenzene-d5 (S)	%	61	21-110	08/26/11 11:20	
Phenol-d6 (S)	%	26	10-110	08/26/11 11:20	
Terphenyl-d14 (S)	%	72	31-107	08/26/11 11:20	

LABORATORY CONTROL SAMPLE: 651461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	50	35.1	70	17-115	
1,3,5-Trinitrobenzene	ug/L	50	47.0	94	17-115	
1,3-Dinitrobenzene	ug/L	50	34.3	69	17-115	
1,4-Naphthoquinone	ug/L	50	35.3	71	17-115	
1-Naphthalenamine	ug/L	50	36.7	73	17-115	
2,3,4,6-Tetrachlorophenol	ug/L	50	54.6	109	17-115	
2,4,5-Trichlorophenol	ug/L	50	30.9	62	23-116	
2,4,6-Trichlorophenol	ug/L	50	35.8	72	21-114	
2,4-Dichlorophenol	ug/L	50	30.7	61	22-120	
2,4-Dimethylphenol	ug/L	50	27.7	55	15-109	
2,4-Dinitrophenol	ug/L	250	117	47	10-103	
2,4-Dinitrotoluene	ug/L	50	35.0	70	24-119	
2,6-Dichlorophenol	ug/L	50	42.5	85	17-115	
2,6-Dinitrotoluene	ug/L	50	35.3	71	25-116	
2-Acetylaminofluorene	ug/L	50	41.7	83	17-115	
2-Chloronaphthalene	ug/L	50	37.2	74	18-110	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

LABORATORY CONTROL SAMPLE: 651461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chlorophenol	ug/L	50	32.9	66	10-104	
2-Methylnaphthalene	ug/L	50	26.4	53	16-110	
2-Methylphenol(o-Cresol)	ug/L	50	27.4	55	13-110	
2-Naphthalenamine	ug/L	50	36.6	73	17-115	
2-Nitroaniline	ug/L	100	69.6	70	20-117	
2-Nitrophenol	ug/L	50	26.7	53	16-108	
3&4-Methylphenol(m&p Cresol)	ug/L	50	25.3	51	14-110	
3,3'-Dichlorobenzidine	ug/L	250	66.3	27	13-131	
3,3'-Dimethylbenzidine	ug/L	100	74.8	75	17-115	
3-Methylcholanthrene	ug/L	50	39.7	79	17-115	
3-Nitroaniline	ug/L	100	65.5	66	15-117	
4,6-Dinitro-2-methylphenol	ug/L	100	63.4	63	13-119	
4-Aminobiphenyl	ug/L	50	30.5	61	17-115	
4-Bromophenylphenyl ether	ug/L	50	35.2	70	23-120	
4-Chloro-3-methylphenol	ug/L	100	58.5	59	21-119	
4-Chloroaniline	ug/L	100	55.8	56	10-122	
4-Chlorophenylphenyl ether	ug/L	50	34.5	69	22-112	
4-Nitroaniline	ug/L	100	63.8	64	14-118	
4-Nitrophenol	ug/L	250	75.4	30	10-110	
5-Nitro-o-toluidine	ug/L	50	40.0	80	17-115	
7,12-Dimethylbenz(a)anthracene	ug/L	50	40.3	81	50-150	
Acenaphthene	ug/L	50	33.1	66	20-105	
Acenaphthylene	ug/L	50	32.5	65	23-106	
Acetophenone	ug/L	50	35.0	70	17-115	
Anthracene	ug/L	50	34.7	69	25-120	
Benzo(a)anthracene	ug/L	50	34.6	69	21-128	
Benzo(a)pyrene	ug/L	50	35.1	70	25-116	
Benzo(b)fluoranthene	ug/L	50	35.5	71	23-117	
Benzo(g,h,i)perylene	ug/L	50	37.2	74	17-128	
Benzo(k)fluoranthene	ug/L	50	37.0	74	25-127	
Benzyl alcohol	ug/L	100	62.0	62	10-101	
bis(2-Chloroethoxy)methane	ug/L	50	36.2	72	19-107	
bis(2-Chloroethyl) ether	ug/L	50	33.6	67	10-108	
bis(2-Chloroisopropyl) ether	ug/L	50	34.7	69	10-108	
bis(2-Ethylhexyl)phthalate	ug/L	50	32.7	65	16-123	
Butylbenzylphthalate	ug/L	50	33.2	66	20-118	
Chlorobenzilate	ug/L	50	36.2	72	17-115	
Chrysene	ug/L	50	35.3	71	24-125	
Di-n-butylphthalate	ug/L	50	33.1	66	23-115	
Di-n-octylphthalate	ug/L	50	30.4	61	20-115	
Diallate	ug/L	50	42.5	85	17-115	
Dibenz(a,h)anthracene	ug/L	50	35.3	71	18-131	
Dibenzofuran	ug/L	50	33.8	68	23-106	
Diethylphthalate	ug/L	50	32.3	65	24-115	
Dimethoate	ug/L	50	36.5	73	17-115	
Dimethylphthalate	ug/L	50	32.7	65	22-113	
Diphenylamine	ug/L	50	34.1	68	17-115	
Disulfoton	ug/L	50	37.6	75	17-115	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

LABORATORY CONTROL SAMPLE: 651461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethyl methanesulfonate	ug/L	50	42.8	86	17-115	
Famphur	ug/L	100	48.8	49	17-115	
Fluoranthene	ug/L	50	35.1	70	24-125	
Fluorene	ug/L	50	32.9	66	24-114	
Hexachlorobenzene	ug/L	50	33.3	67	22-127	
Hexachlorocyclopentadiene	ug/L	50	30.3	61	10-110	
Hexachloroethane	ug/L	50	28.5	57	10-110	
Hexachloropropene	ug/L	50	30.1	60	17-115	
Indeno(1,2,3-cd)pyrene	ug/L	50	36.0	72	18-130	
Isodrin	ug/L	50	39.3	79	17-115	
Isophorone	ug/L	50	28.8	58	23-114	
Isosafrole	ug/L	50	35.5	71	17-115	
Kepone	ug/L	100	ND	0	17-115	L2
Methapyrilene	ug/L	50	45.8J	92	17-115	
Methyl methanesulfonate	ug/L	50	31.3	63	17-115	
Methyl parathion	ug/L	50	39.5	79	17-115	
N-Nitroso-di-n-butylamine	ug/L	50	40.8	82	17-115	
N-Nitroso-di-n-propylamine	ug/L	50	37.0	74	21-114	
N-Nitrosodiethylamine	ug/L	50	40.9	82	17-115	
N-Nitrosodimethylamine	ug/L	50	21.0	42	10-110	
N-Nitrosodiphenylamine	ug/L	50	34.1	68	24-123	
N-Nitrosomethylethylamine	ug/L	50	37.1	74	17-115	
N-Nitrosopiperidine	ug/L	50	40.0	80	17-115	
N-Nitrosopyrrolidine	ug/L	50	44.0	88	17-115	
Nitrobenzene	ug/L	50	27.2	54	16-106	
O,O,O-Triethylphosphorothioate	ug/L	50	39.7	79	17-115	
O-Toluidine	ug/L	50	37.9	76	17-115	
P-Dimethylaminoazobenzene	ug/L	100	39.3	39	17-115	
p-Phenylenediamine	ug/L	50	40.4	81	17-115	
Parathion (Ethyl parathion)	ug/L	50	38.8	78	17-115	
Pentachlorobenzene	ug/L	50	36.0	72	17-115	
Pentachloronitrobenzene	ug/L	50	35.4	71	17-115	
Pentachlorophenol	ug/L	250	40.0	16	10-123	
Phenacetin	ug/L	50	35.2	70	17-115	
Phenanthrene	ug/L	50	33.8	68	25-119	
Phenol	ug/L	50	18.6	37	10-110	
Phorate	ug/L	50	47.0	94	17-115	
Pronamide	ug/L	50	41.5	83	17-115	
Pyrene	ug/L	50	33.3	67	22-127	
Safrole	ug/L	50	40.8	82	17-115	
Thionazin	ug/L	50	37.9	76	17-115	
2,4,6-Tribromophenol (S)	%			73	27-110	
2-Fluorobiphenyl (S)	%			68	27-110	
2-Fluorophenol (S)	%			41	12-110	
Nitrobenzene-d5 (S)	%			57	21-110	
Phenol-d6 (S)	%			31	10-110	
Terphenyl-d14 (S)	%			72	31-107	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: MSV/16410 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92100658001, 92100658002, 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009

METHOD BLANK: 650152 Matrix: Water
Associated Lab Samples: 92100658001, 92100658002, 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/19/11 13:38	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/19/11 13:38	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	08/19/11 13:38	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/19/11 13:38	
1,1-Dichloroethane	ug/L	ND	5.0	08/19/11 13:38	
1,1-Dichloroethene	ug/L	ND	5.0	08/19/11 13:38	
1,1-Dichloropropene	ug/L	ND	5.0	08/19/11 13:38	
1,2,3-Trichloropropane	ug/L	ND	1.0	08/19/11 13:38	
1,2,4-Trichlorobenzene	ug/L	ND	10.0	08/19/11 13:38	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	08/19/11 13:38	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/19/11 13:38	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/19/11 13:38	
1,2-Dichloroethane	ug/L	ND	1.0	08/19/11 13:38	
1,2-Dichloropropane	ug/L	ND	1.0	08/19/11 13:38	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/19/11 13:38	
1,3-Dichloropropane	ug/L	ND	1.0	08/19/11 13:38	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/19/11 13:38	
2,2-Dichloropropane	ug/L	ND	15.0	08/19/11 13:38	
2-Butanone (MEK)	ug/L	ND	100	08/19/11 13:38	
2-Hexanone	ug/L	ND	50.0	08/19/11 13:38	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	08/19/11 13:38	
Acetone	ug/L	ND	100	08/19/11 13:38	
Acetonitrile	ug/L	ND	55.0	08/19/11 13:38	
Acrolein	ug/L	ND	53.0	08/19/11 13:38	
Acrylonitrile	ug/L	ND	200	08/19/11 13:38	
Allyl chloride	ug/L	ND	10.0	08/19/11 13:38	
Benzene	ug/L	ND	1.0	08/19/11 13:38	
Bromochloromethane	ug/L	ND	3.0	08/19/11 13:38	
Bromodichloromethane	ug/L	ND	1.0	08/19/11 13:38	
Bromoform	ug/L	ND	3.0	08/19/11 13:38	
Bromomethane	ug/L	ND	10.0	08/19/11 13:38	
Carbon disulfide	ug/L	ND	100	08/19/11 13:38	
Carbon tetrachloride	ug/L	ND	1.0	08/19/11 13:38	
Chlorobenzene	ug/L	ND	3.0	08/19/11 13:38	
Chloroethane	ug/L	ND	10.0	08/19/11 13:38	
Chloroform	ug/L	ND	5.0	08/19/11 13:38	
Chloromethane	ug/L	ND	1.0	08/19/11 13:38	
Chloroprene	ug/L	ND	20.0	08/19/11 13:38	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/19/11 13:38	
cis-1,3-Dichloropropene	ug/L	ND	1.0	08/19/11 13:38	
Dibromochloromethane	ug/L	ND	3.0	08/19/11 13:38	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

METHOD BLANK: 650152 Matrix: Water

Associated Lab Samples: 92100658001, 92100658002, 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	10.0	08/19/11 13:38	
Dichlorodifluoromethane	ug/L	ND	5.0	08/19/11 13:38	
Ethyl methacrylate	ug/L	ND	10.0	08/19/11 13:38	
Ethylbenzene	ug/L	ND	1.0	08/19/11 13:38	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	08/19/11 13:38	
Iodomethane	ug/L	ND	10.0	08/19/11 13:38	
Isobutanol	ug/L	ND	100	08/19/11 13:38	
Methacrylonitrile	ug/L	ND	100	08/19/11 13:38	
Methyl methacrylate	ug/L	ND	30.0	08/19/11 13:38	
Methylene Chloride	ug/L	ND	1.0	08/19/11 13:38	
Naphthalene	ug/L	ND	10.0	08/19/11 13:38	
Propionitrile	ug/L	ND	150	08/19/11 13:38	
Styrene	ug/L	ND	1.0	08/19/11 13:38	
Tetrachloroethene	ug/L	ND	1.0	08/19/11 13:38	
Toluene	ug/L	ND	1.0	08/19/11 13:38	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/19/11 13:38	
trans-1,3-Dichloropropene	ug/L	ND	1.0	08/19/11 13:38	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/19/11 13:38	
Trichloroethene	ug/L	ND	1.0	08/19/11 13:38	
Trichlorofluoromethane	ug/L	ND	1.0	08/19/11 13:38	
Vinyl acetate	ug/L	ND	50.0	08/19/11 13:38	
Vinyl chloride	ug/L	ND	1.0	08/19/11 13:38	
Xylene (Total)	ug/L	ND	5.0	08/19/11 13:38	
1,2-Dichloroethane-d4 (S)	%	105	70-130	08/19/11 13:38	
4-Bromofluorobenzene (S)	%	93	70-130	08/19/11 13:38	
Dibromofluoromethane (S)	%	106	70-130	08/19/11 13:38	
Toluene-d8 (S)	%	97	70-130	08/19/11 13:38	

LABORATORY CONTROL SAMPLE: 650153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.9	108	70-130	
1,1,1-Trichloroethane	ug/L	50	47.2	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.2	102	70-130	
1,1,2-Trichloroethane	ug/L	50	51.2	102	70-130	
1,1-Dichloroethane	ug/L	50	45.3	91	70-130	
1,1-Dichloroethene	ug/L	50	42.6	85	70-132	
1,1-Dichloropropene	ug/L	50	44.7	89	70-130	
1,2,3-Trichloropropane	ug/L	50	49.8	100	70-130	
1,2,4-Trichlorobenzene	ug/L	50	55.3	111	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	51.8	104	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.9	104	70-130	
1,2-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,2-Dichloroethane	ug/L	50	46.4	93	70-130	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

LABORATORY CONTROL SAMPLE: 650153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	48.6	97	70-130	
1,3-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,3-Dichloropropane	ug/L	50	50.4	101	70-130	
1,4-Dichlorobenzene	ug/L	50	50.6	101	70-130	
2,2-Dichloropropane	ug/L	50	50.5	101	58-145	
2-Butanone (MEK)	ug/L	100	78.8J	79	70-145	
2-Hexanone	ug/L	100	92.1	92	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	111	111	70-140	
Acetone	ug/L	100	65.5J	65	50-175	F3
Acetonitrile	ug/L	500	493	99	70-130	
Acrolein	ug/L	250	359	144	70-130	F3,L3
Acrylonitrile	ug/L	250	276	110	70-143	
Allyl chloride	ug/L	50	49.3	99	70-130	
Benzene	ug/L	50	45.3	91	70-130	
Bromochloromethane	ug/L	50	46.5	93	70-130	
Bromodichloromethane	ug/L	50	50.4	101	70-130	
Bromoform	ug/L	50	53.4	107	70-130	
Bromomethane	ug/L	50	44.6	89	54-130	
Carbon disulfide	ug/L	50	45.9J	92	70-131	
Carbon tetrachloride	ug/L	50	54.6	109	70-132	
Chlorobenzene	ug/L	50	50.9	102	70-130	
Chloroethane	ug/L	50	49.6	99	64-134	
Chloroform	ug/L	50	47.1	94	70-130	
Chloromethane	ug/L	50	38.5	77	64-130	
Chloroprene	ug/L	50	38.3	77	70-130	
cis-1,2-Dichloroethene	ug/L	50	44.6	89	70-131	
cis-1,3-Dichloropropene	ug/L	50	53.4	107	70-130	
Dibromochloromethane	ug/L	50	53.0	106	70-130	
Dibromomethane	ug/L	50	50.2	100	70-131	
Dichlorodifluoromethane	ug/L	50	44.8	90	56-130	
Ethyl methacrylate	ug/L	50	55.5	111	70-130	
Ethylbenzene	ug/L	50	49.5	99	70-130	
Hexachloro-1,3-butadiene	ug/L	50	53.7	107	70-130	
Iodomethane	ug/L	100	98.4	98	49-180	
Isobutanol	ug/L	1000	1020	102	70-130	
Methacrylonitrile	ug/L	500	490	98	70-130	
Methyl methacrylate	ug/L	50	51.4	103	70-130	
Methylene Chloride	ug/L	50	43.9	88	63-130	
Naphthalene	ug/L	50	53.7	107	70-138	
Propionitrile	ug/L	500	482	96	70-130	
Styrene	ug/L	50	48.7	97	70-130	
Tetrachloroethene	ug/L	50	51.6	103	70-130	
Toluene	ug/L	50	45.2	90	70-130	
trans-1,2-Dichloroethene	ug/L	50	43.7	87	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	55.6J	111	70-141	
Trichloroethene	ug/L	50	48.3	97	70-130	
Trichlorofluoromethane	ug/L	50	46.3	93	62-133	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

LABORATORY CONTROL SAMPLE: 650153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl acetate	ug/L	100	118	118	66-157	
Vinyl chloride	ug/L	50	44.9	90	69-130	
Xylene (Total)	ug/L	150	158	105	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 650154 650155

Parameter	Units	92100524015 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	40.3	39.1	81	78	70-166	3	30	
Benzene	ug/L	ND	50	50	41.7	40.2	83	80	70-148	4	30	
Chlorobenzene	ug/L	ND	50	50	61.4	60.7	123	121	70-146	1	30	
Toluene	ug/L	ND	50	50	50.6	49.6	101	99	70-155	2	30	
Trichloroethene	ug/L	ND	50	50	48.8	47.7	98	95	69-151	2	30	
1,2-Dichloroethane-d4 (S)	%						118	116	70-130			
4-Bromofluorobenzene (S)	%						94	94	70-130			
Dibromofluoromethane (S)	%						107	108	70-130			
Toluene-d8 (S)	%						93	92	70-130			

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: MSV/16430
Analysis Method: EPA 8260
QC Batch Method: EPA 8260
Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92100658010, 92100658011

METHOD BLANK: 650367
Matrix: Water
Associated Lab Samples: 92100658010, 92100658011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/20/11 00:40	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/20/11 00:40	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	08/20/11 00:40	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/20/11 00:40	
1,1-Dichloroethane	ug/L	ND	5.0	08/20/11 00:40	
1,1-Dichloroethene	ug/L	ND	5.0	08/20/11 00:40	
1,1-Dichloropropene	ug/L	ND	5.0	08/20/11 00:40	
1,2,3-Trichloropropane	ug/L	ND	1.0	08/20/11 00:40	
1,2,4-Trichlorobenzene	ug/L	ND	10.0	08/20/11 00:40	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	08/20/11 00:40	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/20/11 00:40	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/20/11 00:40	
1,2-Dichloroethane	ug/L	ND	1.0	08/20/11 00:40	
1,2-Dichloropropane	ug/L	ND	1.0	08/20/11 00:40	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/20/11 00:40	
1,3-Dichloropropane	ug/L	ND	1.0	08/20/11 00:40	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/20/11 00:40	
2,2-Dichloropropane	ug/L	ND	15.0	08/20/11 00:40	
2-Butanone (MEK)	ug/L	ND	100	08/20/11 00:40	
2-Hexanone	ug/L	ND	50.0	08/20/11 00:40	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	08/20/11 00:40	
Acetone	ug/L	ND	100	08/20/11 00:40	
Acetonitrile	ug/L	ND	55.0	08/20/11 00:40	
Acrolein	ug/L	ND	53.0	08/20/11 00:40	
Acrylonitrile	ug/L	ND	200	08/20/11 00:40	
Allyl chloride	ug/L	ND	10.0	08/20/11 00:40	
Benzene	ug/L	ND	1.0	08/20/11 00:40	
Bromochloromethane	ug/L	ND	3.0	08/20/11 00:40	
Bromodichloromethane	ug/L	ND	1.0	08/20/11 00:40	
Bromoform	ug/L	ND	3.0	08/20/11 00:40	
Bromomethane	ug/L	ND	10.0	08/20/11 00:40	
Carbon disulfide	ug/L	ND	100	08/20/11 00:40	
Carbon tetrachloride	ug/L	ND	1.0	08/20/11 00:40	
Chlorobenzene	ug/L	ND	3.0	08/20/11 00:40	
Chloroethane	ug/L	ND	10.0	08/20/11 00:40	
Chloroform	ug/L	ND	5.0	08/20/11 00:40	
Chloromethane	ug/L	ND	1.0	08/20/11 00:40	
Chloroprene	ug/L	ND	20.0	08/20/11 00:40	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/20/11 00:40	
cis-1,3-Dichloropropene	ug/L	ND	1.0	08/20/11 00:40	
Dibromochloromethane	ug/L	ND	3.0	08/20/11 00:40	
Dibromomethane	ug/L	ND	10.0	08/20/11 00:40	
Dichlorodifluoromethane	ug/L	ND	5.0	08/20/11 00:40	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

METHOD BLANK: 650367 Matrix: Water

Associated Lab Samples: 92100658010, 92100658011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl methacrylate	ug/L	ND	10.0	08/20/11 00:40	
Ethylbenzene	ug/L	ND	1.0	08/20/11 00:40	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	08/20/11 00:40	
Iodomethane	ug/L	ND	10.0	08/20/11 00:40	
Isobutanol	ug/L	ND	100	08/20/11 00:40	
Methacrylonitrile	ug/L	ND	100	08/20/11 00:40	
Methyl methacrylate	ug/L	ND	30.0	08/20/11 00:40	
Methylene Chloride	ug/L	ND	1.0	08/20/11 00:40	
Naphthalene	ug/L	ND	10.0	08/20/11 00:40	
Propionitrile	ug/L	ND	150	08/20/11 00:40	
Styrene	ug/L	ND	1.0	08/20/11 00:40	
Tetrachloroethene	ug/L	ND	1.0	08/20/11 00:40	
Toluene	ug/L	ND	1.0	08/20/11 00:40	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/20/11 00:40	
trans-1,3-Dichloropropene	ug/L	ND	1.0	08/20/11 00:40	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/20/11 00:40	
Trichloroethene	ug/L	ND	1.0	08/20/11 00:40	
Trichlorofluoromethane	ug/L	ND	1.0	08/20/11 00:40	
Vinyl acetate	ug/L	ND	50.0	08/20/11 00:40	
Vinyl chloride	ug/L	ND	1.0	08/20/11 00:40	
Xylene (Total)	ug/L	ND	5.0	08/20/11 00:40	
1,2-Dichloroethane-d4 (S)	%	117	70-130	08/20/11 00:40	
4-Bromofluorobenzene (S)	%	97	70-130	08/20/11 00:40	
Dibromofluoromethane (S)	%	111	70-130	08/20/11 00:40	
Toluene-d8 (S)	%	96	70-130	08/20/11 00:40	

LABORATORY CONTROL SAMPLE: 650368

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.3	111	70-130	
1,1,1-Trichloroethane	ug/L	50	51.5	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.8	104	70-130	
1,1,2-Trichloroethane	ug/L	50	51.9	104	70-130	
1,1-Dichloroethane	ug/L	50	47.5	95	70-130	
1,1-Dichloroethene	ug/L	50	46.0	92	70-132	
1,1-Dichloropropene	ug/L	50	45.4	91	70-130	
1,2,3-Trichloropropane	ug/L	50	51.6	103	70-130	
1,2,4-Trichlorobenzene	ug/L	50	54.7	109	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	55.0	110	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	53.1	106	70-130	
1,2-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,2-Dichloroethane	ug/L	50	51.1	102	70-130	
1,2-Dichloropropane	ug/L	50	48.8	98	70-130	
1,3-Dichlorobenzene	ug/L	50	50.6	101	70-130	
1,3-Dichloropropane	ug/L	50	50.6	101	70-130	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

LABORATORY CONTROL SAMPLE: 650368

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	51.0	102	70-130	
2,2-Dichloropropane	ug/L	50	46.3	93	58-145	
2-Butanone (MEK)	ug/L	100	78.4J	78	70-145	
2-Hexanone	ug/L	100	89.7	90	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	112	112	70-140	
Acetone	ug/L	100	65.7J	66	50-175	F3
Acetonitrile	ug/L	500	500	100	70-130	
Acrolein	ug/L	250	341	136	70-130	F3,L3
Acrylonitrile	ug/L	250	274	109	70-143	
Allyl chloride	ug/L	50	50.2	100	70-130	
Benzene	ug/L	50	44.8	90	70-130	
Bromochloromethane	ug/L	50	48.2	96	70-130	
Bromodichloromethane	ug/L	50	53.8	108	70-130	
Bromoform	ug/L	50	54.7	109	70-130	
Bromomethane	ug/L	50	54.4	109	54-130	
Carbon disulfide	ug/L	50	47.5J	95	70-131	
Carbon tetrachloride	ug/L	50	53.8	108	70-132	
Chlorobenzene	ug/L	50	50.9	102	70-130	
Chloroethane	ug/L	50	51.8	104	64-134	
Chloroform	ug/L	50	50.4	101	70-130	
Chloromethane	ug/L	50	40.8	82	64-130	
Chloroprene	ug/L	50	41.7	83	70-130	
cis-1,2-Dichloroethene	ug/L	50	47.3	95	70-131	
cis-1,3-Dichloropropene	ug/L	50	52.2	104	70-130	
Dibromochloromethane	ug/L	50	54.6	109	70-130	
Dibromomethane	ug/L	50	51.0	102	70-131	
Dichlorodifluoromethane	ug/L	50	48.2	96	56-130	
Ethyl methacrylate	ug/L	50	55.2	110	70-130	
Ethylbenzene	ug/L	50	50.6	101	70-130	
Hexachloro-1,3-butadiene	ug/L	50	51.4	103	70-130	
Iodomethane	ug/L	100	102	102	49-180	
Isobutanol	ug/L	1000	1050	105	70-130	
Methacrylonitrile	ug/L	500	503	101	70-130	
Methyl methacrylate	ug/L	50	50.8	102	70-130	
Methylene Chloride	ug/L	50	47.4	95	63-130	
Naphthalene	ug/L	50	53.9	108	70-138	
Propionitrile	ug/L	500	478	96	70-130	
Styrene	ug/L	50	49.2	98	70-130	
Tetrachloroethene	ug/L	50	50.9	102	70-130	
Toluene	ug/L	50	45.5	91	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.0	94	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.6	109	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	59.4J	119	70-141	
Trichloroethene	ug/L	50	48.8	98	70-130	
Trichlorofluoromethane	ug/L	50	51.4	103	62-133	
Vinyl acetate	ug/L	100	119	119	66-157	
Vinyl chloride	ug/L	50	45.2	90	69-130	
Xylene (Total)	ug/L	150	162	108	70-130	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

LABORATORY CONTROL SAMPLE: 650368

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			107	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WET/17639 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 92100658001, 92100658004, 92100658005

METHOD BLANK: 650790 Matrix: Water
Associated Lab Samples: 92100658001, 92100658004, 92100658005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	ug/L	ND	5000	08/20/11 16:00	

LABORATORY CONTROL SAMPLE: 650791

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	ug/L	50000	49800	100	90-110	

SAMPLE DUPLICATE: 650792

Parameter	Units	92100598001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	ug/L	30.1 mg/L	27000	11	20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WET/17643 — Analysis Method: SM 4500-S2D
QC Batch Method: SM 4500-S2D — Analysis Description: 4500S2D Sulfide Water
Associated Lab Samples: 92100658001, 92100658002, 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009, 92100658010, 92100658011

METHOD BLANK: 651151 — Matrix: Water
Associated Lab Samples: 92100658001, 92100658002, 92100658003, 92100658004, 92100658005, 92100658006, 92100658007, 92100658008, 92100658009, 92100658010, 92100658011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	ug/L	ND	1000	08/23/11 09:45	

LABORATORY CONTROL SAMPLE: 651152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	ug/L	500	508J	102	90-110	

MATRIX SPIKE SAMPLE: 651153

Parameter	Units	92100488002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	ug/L	ND	500	508J	96	75-125	

SAMPLE DUPLICATE: 651154

Parameter	Units	92100488002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WET/17594
QC Batch Method: SM 5210B
Analysis Method: SM 5210B
Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 92100658001

METHOD BLANK: 649255
Matrix: Water
Associated Lab Samples: 92100658001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	ug/L	ND	2000	08/23/11 11:35	

LABORATORY CONTROL SAMPLE: 649256

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	ug/L	198000	202000	102	84-115	

SAMPLE DUPLICATE: 649257

Parameter	Units	92100658001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	ug/L	7500	6950	8	20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WET/17617 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 92100658004, 92100658005

METHOD BLANK: 650136 Matrix: Water
Associated Lab Samples: 92100658004, 92100658005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	ug/L	ND	2000	08/24/11 10:09	

LABORATORY CONTROL SAMPLE: 650137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	ug/L	198000	212000	107	84-115	

SAMPLE DUPLICATE: 650138

Parameter	Units	92100677001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	ug/L	61.5 mg/L	58500	5	20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WETA/10394 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 92100658001, 92100658004, 92100658005

METHOD BLANK: 650392 Matrix: Water
Associated Lab Samples: 92100658001, 92100658004, 92100658005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	ug/L	ND	250000	08/24/11 11:17	

LABORATORY CONTROL SAMPLE: 650393

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	20000	20200J	101	90-110	

MATRIX SPIKE SAMPLE: 650394

Parameter	Units	92100677001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	15.5 mg/L	20000	39200J	118	90-110	M1

MATRIX SPIKE SAMPLE: 650396

Parameter	Units	92100658005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	ND	20000	23100J	101	90-110	

SAMPLE DUPLICATE: 650395

Parameter	Units	92100677001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	ug/L	15.5 mg/L	15700J	2	20	

SAMPLE DUPLICATE: 650397

Parameter	Units	92100658005 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WETA/10372
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 92100658001

METHOD BLANK: 649119
Matrix: Water
Associated Lab Samples: 92100658001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	ug/L	ND	10000	08/17/11 22:36	

LABORATORY CONTROL SAMPLE: 649120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	ug/L	5000	4830J	97	90-110	

MATRIX SPIKE SAMPLE: 649121

Parameter	Units	92100523010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	ug/L	ND	5000	5890J	118	90-110	M0

MATRIX SPIKE SAMPLE: 649123

Parameter	Units	92100487005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	ug/L	0.25 mg/L	5000	5540J	106	90-110	

SAMPLE DUPLICATE: 649122

Parameter	Units	92100523010 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	ug/L	ND	ND		20	

SAMPLE DUPLICATE: 649124

Parameter	Units	92100487005 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	ug/L	0.25 mg/L	278J	9	20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WETA/10383
Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 92100658004, 92100658005

METHOD BLANK: 649983
Matrix: Water
Associated Lab Samples: 92100658004, 92100658005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	ug/L	ND	10000	08/18/11 23:28	

LABORATORY CONTROL SAMPLE: 649984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	ug/L	5000	4610J	92	90-110	

MATRIX SPIKE SAMPLE: 649985

Parameter	Units	92100764002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	ug/L	1.7 mg/L	5000	6890J	103	90-110	

MATRIX SPIKE SAMPLE: 649987

Parameter	Units	92100561003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	ug/L	ND	5000	4730J	92	90-110	

SAMPLE DUPLICATE: 649986

Parameter	Units	92100764002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	ug/L	1.7 mg/L	1720J	0	20	

SAMPLE DUPLICATE: 649988

Parameter	Units	92100561003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	ug/L	ND	228J		20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WETA/10454
QC Batch Method: SM 4500-Cl-E
Analysis Method: SM 4500-Cl-E
Analysis Description: 4500 Chloride
Associated Lab Samples: 92100658001

METHOD BLANK: 653532
Matrix: Water
Associated Lab Samples: 92100658001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	ug/L	ND	5000	08/29/11 10:33	

LABORATORY CONTROL SAMPLE: 653533

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	20000	20300	101	90-110	

MATRIX SPIKE SAMPLE: 653534

Parameter	Units	92100390001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	ND	20000	22500	103	75-125	

SAMPLE DUPLICATE: 653535

Parameter	Units	92100445001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	ug/L	55.5 mg/L	54700	1	20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WETA/10455 | Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E | Analysis Description: 4500 Chloride
Associated Lab Samples: 92100658004, 92100658005

METHOD BLANK: 653536 | Matrix: Water
Associated Lab Samples: 92100658004, 92100658005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	ug/L	ND	5000	08/29/11 10:56	

LABORATORY CONTROL SAMPLE: 653537

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	20000	19800	99	90-110	

MATRIX SPIKE SAMPLE: 653538

Parameter	Units	92100732002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	690 mg/L	20000	747000	285	75-125	M6

SAMPLE DUPLICATE: 653539

Parameter	Units	92100658004 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WETA/10456 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 92100658001, 92100658002, 92100658003, 92100658004

METHOD BLANK: 653541 Matrix: Water
Associated Lab Samples: 92100658001, 92100658002, 92100658003, 92100658004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	ND	10.0	08/30/11 14:52	

LABORATORY CONTROL SAMPLE: 653542

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	100	99.0	99	80-120	

MATRIX SPIKE SAMPLE: 653543

Parameter	Units	92100658001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	ND	100	107	98	75-125	

SAMPLE DUPLICATE: 653544

Parameter	Units	92100658002 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WETA/10457 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 92100658005, 92100658006, 92100658007, 92100658008, 92100658009, 92100658010, 92100658011

METHOD BLANK: 653548 Matrix: Water
Associated Lab Samples: 92100658005, 92100658006, 92100658007, 92100658008, 92100658009, 92100658010, 92100658011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	ND	10.0	08/30/11 15:10	

LABORATORY CONTROL SAMPLE: 653549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	100	99.6	100	80-120	

MATRIX SPIKE SAMPLE: 653550

Parameter	Units	92100658005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	ND	100	112	108	75-125	

SAMPLE DUPLICATE: 653551

Parameter	Units	92100658006 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WETA/10442
QC Batch Method: SM 5220D
Analysis Method: SM 5220D
Analysis Description: 5220D COD
Associated Lab Samples: 92100658001

METHOD BLANK: 652354
Matrix: Water
Associated Lab Samples: 92100658001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	ug/L	ND	25000	08/25/11 13:16	

LABORATORY CONTROL SAMPLE: 652355

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	ug/L	750000	737000	98	90-110	

MATRIX SPIKE SAMPLE: 652357

Parameter	Units	92100694001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	ug/L	65.0 mg/L	750000	910000	113	75-125	

MATRIX SPIKE SAMPLE: 652359

Parameter	Units	92100521005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	ug/L	ND	750000	1460000	192	75-125	M1

SAMPLE DUPLICATE: 652356

Parameter	Units	92100694001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	ug/L	65.0 mg/L	61000	6	20	

SAMPLE DUPLICATE: 652358

Parameter	Units	92100650002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	ug/L	650 mg/L	654000	1	20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WETA/10453 Analysis Method: SM 5220D
QC Batch Method: SM 5220D Analysis Description: 5220D COD
Associated Lab Samples: 92100658004, 92100658005

METHOD BLANK: 653511 Matrix: Water
Associated Lab Samples: 92100658004, 92100658005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	ug/L	ND	25000	08/29/11 13:49	

LABORATORY CONTROL SAMPLE: 653512

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	ug/L	750000	724000	97	90-110	

MATRIX SPIKE SAMPLE: 653514

Parameter	Units	92101056001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	ug/L	308 mg/L	750000	1090000	104	75-125	

MATRIX SPIKE SAMPLE: 653516

Parameter	Units	92101057001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	ug/L	253 mg/L	7500000	11200000	146	75-125	M1

SAMPLE DUPLICATE: 653513

Parameter	Units	92101056001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	ug/L	308 mg/L	297000	4	20	

SAMPLE DUPLICATE: 653515

Parameter	Units	92100962001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	ug/L	3330 mg/L	3290000	1	20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WETA/10429
Analysis Method: SM 5310B
QC Batch Method: SM 5310B
Analysis Description: 5310B TOC
Associated Lab Samples: 92100658001

METHOD BLANK: 651702
Matrix: Water
Associated Lab Samples: 92100658001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	ug/L	ND	1000	08/24/11 17:37	

LABORATORY CONTROL SAMPLE: 651703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	ug/L	25000	23800	95	90-110	

MATRIX SPIKE SAMPLE: 651704

Parameter	Units	92100487007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	ug/L	5.9 mg/L	25000	26800	84	75-125	

MATRIX SPIKE SAMPLE: 651706

Parameter	Units	92100767003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	ug/L	7.6 mg/L	25000	31400	95	75-125	

SAMPLE DUPLICATE: 651705

Parameter	Units	92100487008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	ug/L	5.4 mg/L	5410	0	20	

SAMPLE DUPLICATE: 651707

Parameter	Units	92100955001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	ug/L	3.4 mg/L	3420	1	20	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

QC Batch: WETA/10430 Analysis Method: SM 5310B
QC Batch Method: SM 5310B Analysis Description: 5310B TOC
Associated Lab Samples: 92100658004, 92100658005

METHOD BLANK: 651708 Matrix: Water
Associated Lab Samples: 92100658004, 92100658005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	ug/L	ND	1000	08/26/11 14:04	

LABORATORY CONTROL SAMPLE: 651709

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	ug/L	25000	24100	96	90-110	

MATRIX SPIKE SAMPLE: 651710

Parameter	Units	92100561003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	ug/L	11.1 mg/L	25000	29700	74	75-125	M1

MATRIX SPIKE SAMPLE: 651712

Parameter	Units	92100748005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	ug/L	5.8 mg/L	25000	27900	88	75-125	

SAMPLE DUPLICATE: 651711

Parameter	Units	92100734008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	ug/L	5.7 mg/L	5750	0	20	

SAMPLE DUPLICATE: 651713

Parameter	Units	92100764001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	ug/L	7.7 mg/L	7810	2	20	

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QUALIFIERS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 92100658

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.

SG - Silica Gel - Clean-Up

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

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

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LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte
PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
R1	RPD value was outside control limits.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

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Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

August 31, 2011

Kevin Godwin
Pace Analytical Services, Inc.
9800 Kincey Avenue
Suite 100
Huntersville, NC 28078

RE: **CHS09876**
Microseeps Workorder: 2268

Dear Kevin Godwin:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, August 19, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

8/31

Heather Hauser 08/31/2011
hhauser@microseeps.com

Enclosures

Total Number of Pages 14

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LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
Accreditation ID:	02-00538
Scope:	NELAP Non-Potable Water and Solid & Hazardous Waste
Accreditor:	NELAP: State of Florida, Department of Health, Bureau of Laboratories
Accreditation ID:	E87832
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: State of Louisiana, Department of Environmental Quality
Accreditation ID:	04104
Scope:	Solid and Chemical Materials; Non-Potable Water
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water; Solid and Chemical Materials
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water; Solid and Hazardous Waste
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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Fax: (412) 826-3433

SAMPLE SUMMARY

Workorder: 2268 CHS09876

Lab ID	Sample ID	Matrix	Date Collected	Date Received
22680001	MW-2	Bubble Strip	8/16/2011 17:40	8/19/2011 13:50
22680002	MW-2	Water	8/16/2011 17:40	8/19/2011 13:50
22680003	MW-1	Bubble Strip	8/17/2011 16:55	8/19/2011 13:50
22680004	MW-1	Water	8/17/2011 16:55	8/19/2011 13:50
22680005	MW-8	Bubble Strip	8/17/2011 12:30	8/19/2011 13:50
22680006	MW-8	Water	8/17/2011 12:30	8/19/2011 13:50

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ANALYTICAL RESULTS

Workorder: 2268 CHS09876

Lab ID: **22680001** Date Received: 8/19/2011 13:50 Matrix: Bubble Strip

Sample ID: **MW-2** Date Collected: 8/16/2011 17:40

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	1700	ug/l	0.015	0.0030	1			8/25/2011 11:46	GT		
Ethane	1.1	ug/l	0.010	0.0010	1			8/25/2011 11:46	GT		
Ethene	0.016	ug/l	0.010	0.0020	1			8/25/2011 11:46	GT		
Hydrogen	2.4	nM	0.60	0.25	1			8/25/2011 11:46	GT		

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Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2268 CHS09876

Lab ID: **22680002** Date Received: 8/19/2011 13:50 Matrix: Water

Sample ID: **MW-2** Date Collected: 8/16/2011 17:40

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
EDonors											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.30	mg/l	0.10	0.010	1			8/25/2011 13:59	KB		
Acetic Acid	0.20	mg/l	0.070	0.0060	1			8/25/2011 13:59	KB		
Propionic Acid	0.074	mg/l	0.050	0.0070	1			8/25/2011 13:59	KB		
Butyric Acid	0.088	mg/l	0.050	0.0040	1			8/25/2011 13:59	KB		
Pyruvic Acid	0.070J	mg/l	0.15	0.033	1			8/25/2011 13:59	KB		

CERTIFICATE OF ANALYSIS

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Phone: (412) 826-5245
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ANALYTICAL RESULTS

Workorder: 2268 CHS09876

Lab ID: **22680003** Date Received: 8/19/2011 13:50 Matrix: Bubble Strip

Sample ID: **MW-1** Date Collected: 8/17/2011 16:55

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	0.041	ug/l	0.015	0.0030	1			8/25/2011 11:58	GT		
Ethane	0.0060J	ug/l	0.010	0.0010	1			8/25/2011 11:58	GT		
Ethene	0.037	ug/l	0.010	0.0020	1			8/25/2011 11:58	GT		
Hydrogen	15	nM	0.60	0.25	1			8/25/2011 11:58	GT		

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3004.1.0.0

Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2268 CHS09876

Lab ID: **22680004** Date Received: 8/19/2011 13:50 Matrix: Water

Sample ID: **MW-1** Date Collected: 8/17/2011 16:55

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
EDonors											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.15	mg/l	0.10	0.010	1			8/25/2011 14:41	KB		
Acetic Acid	0.018J	mg/l	0.070	0.0060	1			8/25/2011 14:41	KB		
Propionic Acid	0.053	mg/l	0.050	0.0070	1			8/25/2011 14:41	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			8/25/2011 14:41	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			8/25/2011 14:41	KB		

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Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2268 CHS09876

Lab ID: **22680005** Date Received: 8/19/2011 13:50 Matrix: Bubble Strip

Sample ID: **MW-8** Date Collected: 8/17/2011 12:30

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	0.20	ug/l	0.015	0.0030	1			8/25/2011 12:12	GT		
Ethane	0.0065J	ug/l	0.010	0.0010	1			8/25/2011 12:12	GT		
Ethene	0.029	ug/l	0.010	0.0020	1			8/25/2011 12:12	GT		
Hydrogen	13	nM	0.60	0.25	1			8/25/2011 12:12	GT		

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Pittsburgh, PA 15238
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ANALYTICAL RESULTS

Workorder: 2268 CHS09876

Lab ID: **22680006** Date Received: 8/19/2011 13:50 Matrix: Water

Sample ID: **MW-8** Date Collected: 8/17/2011 12:30

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
EDonors											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.16	mg/l	0.10	0.010	1			8/25/2011 15:23	KB		
Acetic Acid	0.030J	mg/l	0.070	0.0060	1			8/25/2011 15:23	KB		
Propionic Acid	0.054	mg/l	0.050	0.0070	1			8/25/2011 15:23	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			8/25/2011 15:23	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			8/25/2011 15:23	KB		

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Fax: (412) 826-3433

ANALYTICAL RESULTS QUALIFIERS

Workorder: 2268 CHS09876

PARAMETER QUALIFIERS

U	Indicates the compound was analyzed for, but not detected.
J	Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

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Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA

Workorder: 2268 CHS09876

QC Batch: EDON/1088 Analysis Method: AM23G

QC Batch Method: AM23G

Associated Lab Samples: 22680002, 22680004, 22680006

METHOD BLANK: 4163

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
EDonors				
Lactic Acid	mg/l	0.10 U	0.10	
Acetic Acid	mg/l	0.070 U	0.070	
Propionic Acid	mg/l	0.050 U	0.050	
Butyric Acid	mg/l	0.050 U	0.050	
Pyruvic Acid	mg/l	0.15 U	0.15	

LABORATORY CONTROL SAMPLE: 4164

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
EDonors						
Lactic Acid	mg/l	2	1.7	86	70-130	
Acetic Acid	mg/l	2	1.9	95	70-130	
Propionic Acid	mg/l	2	1.8	88	70-130	
Butyric Acid	mg/l	2	1.8	89	70-130	
Pyruvic Acid	mg/l	2	1.8	93	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4165 4166 Original: 22310001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
EDonors											
Lactic Acid	mg/l	0.18	2	1.8	1.8	81	83	70-130	2.4	30	
Acetic Acid	mg/l	0.038	2	1.9	1.9	95	95	70-130	0	30	
Propionic Acid	mg/l	0.059	2	1.9	1.9	91	92	70-130	1.1	30	
Butyric Acid	mg/l	0	2	2.0	2.0	98	100	70-130	2	30	
Pyruvic Acid	mg/l	0	2	1.8	1.9	93	94	70-130	1.1	30	

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QUALITY CONTROL DATA

Workorder: 2268 CHS09876

QC Batch: DISG/1385 Analysis Method: AM20GAX

QC Batch Method: AM20GAX

Associated Lab Samples: 22680001, 22680003, 22680005

METHOD BLANK: 4176

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.015 U	0.015	
Ethane	ug/l	0.010 U	0.010	
Ethene	ug/l	0.010 U	0.010	

METHOD BLANK: 4177

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Hydrogen	nM	0.60 U	0.60	

LABORATORY CONTROL SAMPLE & LCSD: 4178 4180

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Methane	ug/l	15	15	15	98	98	80-120	0	20	
Ethane	ug/l	14	14	14	100	100	80-120	0	20	
Ethene	ug/l	32	34	34	100	100	80-120	0	20	

LABORATORY CONTROL SAMPLE & LCSD: 4179 4181

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Hydrogen	nM	49	40	40	83	82	80-120	1.2	20	

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Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 2268 CHS09876

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
22680002	MW-2			AM23G	EDON/1088
22680004	MW-1			AM23G	EDON/1088
22680006	MW-8			AM23G	EDON/1088
22680001	MW-2			AM20GAX	DISG/1385
22680003	MW-1			AM20GAX	DISG/1385
22680005	MW-8			AM20GAX	DISG/1385

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2268

Chain of Custody

Pace Analytical®
www.pacelabs.com

Workorder: 92100658 **Workorder Name:** WAYNE CLOSED MSWLF **Results Requested** 8/31/2011

Report / Invoice To

Kevin Godwin
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
Phone (704)875-9092
Email: kevin.godwin@pacelabs.com

Subcontract To

P.O. CH509876

Microseeps

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Requested Analysis: VFA	AM23G	methane/Ethane/Ethene	Dissolved Hydrogen									LAB USE ONLY
1	MW-2	8/16/2011 17:40	92100658001	Water	4						X	X	X										
2	MW-1	8/17/2011 16:55	92100658004	Water	4						X	X	X										
3	MW-8	8/17/2011 12:30	92100658005	Water	4						X	X	X										
4																							
5																							

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible]	8/18/11 17:00	[illegible]	8/19/11 1354
2				
3				
4				
5				

Comments

*VFA: report 5 metabolic acids

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.

others will Follow

Page: 1 of 2

1501975

Section A Required Client Information:

Company: Municipal Engineering Servi
Address: P O Box 97
Garner NC 27529
Email To:
Phone: (919) 772-5393 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: jpfohl@mesco.com
Copy To: mgarner@mesco.com
Purchase Order No.:
Project Name: Wayne Closed MSWLF
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: keum6
Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N): 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	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	VOCs-App 2	Metals-App 2	Cyanide	Herbicides-App 2	Pestickes-App 2	SVOCs-App 2	PCB-App 2	Sulfide	VFA (M)	Methane (M)	Ethane, Ethene (M)	Hydrogen Dissolved (M)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-2	WT	G			8/16/11	5:40											✓	✓	✓										N	001
2	MW-3	↓	↓				2:00											✓	✓	✓											002
3	MW-11	↓	↓				3:00											✓		✓	✓	✓									003
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

(M) = use Microscaps w/ lowest DL's

92100658

NO

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	MESCO	8/17/11	940	Pace	8/17/11	940				
		8/17/11	1455	Pace	8/17/11	1455	4.0	Y	N	
					8/17/11	50	2.7			

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: Jim Pfohl

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 8/17/11

*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®
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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.

others will follow

Page: 2 of 2

1501974

Section A Required Client Information:

Company: Municipal Engineering Services
Address:
Email To:
Phone: (919) 772-5393 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: jf@fulemesco.com
Copy To: mgarner@mesco.com
Purchase Order No.:
Project Name: Wayne Closed MSW LF
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Kevin G
Pace Profile #: 2103-7

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

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (see valid codes to left) — 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	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	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BOD	COD	Nitrate	Alkalinity	Sulfate	Chloride	TOC	Iron	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-2	WT	G			8/16/11	5:40											✓	✓	✓	✓	✓	✓	✓			02100658
2	~~MW-3~~																										001
3	~~MW-4~~																										
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	[signature] MESCO	8/17/11	940	[signature] Pace	8/17/11	940
	[signature] Pace	8/17/11	1455	[signature] Pace	8/17/11	14:55

SAMPLE CONDITIONS: Temp in °C 2.7; Received on Ice (Y/N) Y; Custody Sealed Cooler (Y/N) Y; Samples Intact (Y/N) Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jon Pfohl
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 8/17/11

*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	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: July 29, 2011 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.05**	Issuing Authority: Pace Huntersville Quality Office

Client Name: Municipal Engineering Serv. Project # 92100658

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden

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

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

Optional
Proj. Due Date:
Proj. Name:

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

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

Temp Correction Factor Add / Subtract _____ °C

8/17/11

Corrected Cooler Temp.: ~~4.0~~ 2.7 °C **Biological Tissue is Frozen:** Yes No N/A

Date and Initials of person ~~examining~~ contents: 8/17/11

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: -Includes date/time/ID/Analysis Matrix:_____	☐Yes ☑No ☐N/A	12. Received Metals bottle for MW-11 No Date No Time on Any Bottles
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	PH = 7 on metals for MW-2
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☑Yes ☐No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

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

Person Contacted: Jonathan Pfohl Date/Time: 8/18/11

Comments/ Resolution: Jonathan instructed to discard MW-11 metals container. KG.

SCURF Review: [signature] Date: 8/17/11 **SRF Review:** [signature] Date: 8/18/11

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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CHAIN-OF-CUSTODY / Analytical Request Document

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

combine w/ others previously submitted

Page: 1 of 2

1501972

Section A Required Client Information:

Company: Municipal Engineering Services
Address: PO Box 97
Garner NC 27529
Email To:
Phone: 919 772-5393 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: JPfohl@mescorp.com
Copy To: MGalman@mescorp.com
Purchase Order No.:
Project Name: Wayne Closed MSWLF
Project Number:

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N): 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	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	VOCs - App 2	Metals - App 2	Pesticides - App 2	Herbicides - App 2	PCBs - App 2	SVOC - App 2	Cyanide	Sulfide	TOC	BOD	COD	Nitrate	Residual Chlorine (Y/N)	Iron	Alkalinity	Pace Project No./ Lab I.D. 92100658
1	MW-1	WT	G			8/17/11	4:55						3					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N	✓	✓	92100658004
2	MW-4						2:00						3																				006
3	MW-5						4:20																										007
4	MW-6						4:00																										008
5	MW-7						3:15																										009
6	MW-8						12:30						5											✓	✓	✓	✓	✓		✓	✓	005
7	MW-9						11:30						3											✓								010
8	MW-10					✓	12:05						3											✓								011
9																																	
10																																	
11																																	
12																																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Jonathan instructed not to analyze App2 metals for MW-9 + MW-10. KG 8/19/11	[signature] / MESCO	8/18/11	8:25	[signature] pace ctt	8-18-11	8:25
	[signature] pace ctt	8-18-11	13:25	[signature]	8/18/11	13:25

SAMPLE CONDITIONS: 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: [signature] DATE Signed (MM/DD/YY): 8/18/11

*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.

F-ALL-Q-020rev.07, 15-May-2007

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.

1448590

Section A Required Client Information:

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

Section B Required Project Information:

Report To: jgh@mesco.com
Copy To: mgr@mesco.com
Purchase Order No.:
Project Name: Wayne Closed MSWLF
Project Number:

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N): N

(M) = use Microseps

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	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: VFA (M)	Dissolved Hydrogen (M)	Methane (M)	Ethane, Ethene (M)	Sulfate	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1	AR	WT	G			8/17/11	4:55											✓	✓	✓	✓	✓		92100658004
2	MW-8	AR	WT	G			8/17/11	12:30											✓	✓	✓	✓	✓		↓ 005
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	/ MESCO	8/18/11	8:25	pace	8-18-11	8:25	
	pace	8-18-1	13:25		8/18/11	13:45	

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jon Pitt
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 8/18/11

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

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

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: July 29, 2011 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.05**	Issuing Authority: Pace Huntersville Quality Office

Client Name: municipal Project # 92100658

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden

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

Temp Correction Factor Add / Subtract 0 °C

Corrected Cooler Temp.: 2.0 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: lmm 8/19/11

				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. *missing MW10 *missing metals for MW9
Correct Containers Used:	☑Yes	☐No	☐N/A	9. *one liter for MW8 @70 cap is off + ice is in it.
-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: -Includes date/time/ID/Analysis Matrix:_____	☐Yes	☑No	☐N/A	12. *Rcvd MW11 not on COC ~~for MW8 @0C~~ @51-COD2-@70 -cyanide -sulfide -no date/time on any bottle
All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13. *Chloride not on COC for MW1 or MW8 but we received.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes	☐No	☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed
Samples checked for dechlorination:	☑Yes	☐No	☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased):_____				

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

Person Contacted: Jonathan Pfohl Date/Time: 8/19/11

Comments/ Resolution: Jonathan instructed not to analyze App2 metals for MW-9 + MW-10. Jonathan instructed to analyze chloride for MW-1 + MW-8. Jonathan informed MW-10 was collected on 8/17/11 @ 12:05 and was accidently labeled as MW-11.

SCURF Review: [illegible] Date: 8/18/11 **SRF Review:** RLS Date: 8/19/11

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)

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Tuesday, September 27, 2011

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: Wayne Closed MSWLF
ENCO Workorder: C111404

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, September 20, 2011.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 17.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-4 **Lab ID: C111404-01** **Sampled: 09/19/11 12:40** **Received: 09/20/11 13:10**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8081B	09/26/11	10/31/11	09/21/11	06:06	9/22/2011 14:28

Client ID: MW-6 **Lab ID: C111404-02** **Sampled: 09/19/11 13:15** **Received: 09/20/11 13:10**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8081B	09/26/11	10/31/11	09/21/11	06:06	9/22/2011 14:41

Client ID: MW-7 **Lab ID: C111404-03** **Sampled: 09/19/11 14:00** **Received: 09/20/11 13:10**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	03/17/12	09/21/11	10:21	9/22/2011 12:18
EPA 6020A	03/17/12	09/26/11	09:37	9/27/2011 11:27
EPA 7470A	10/17/11	09/23/11	10:25	9/23/2011 16:32

Client ID: MW-8 **Lab ID: C111404-04** **Sampled: 09/19/11 12:05** **Received: 09/20/11 13:10**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 7470A	10/17/11		09/23/11	10:25	9/23/2011 16:35
EPA 8081B	09/26/11	10/31/11	09/21/11	06:06	9/22/2011 14:55

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: MW-7 **Lab ID:** C111404-03

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	52.9	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	4.98	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total	4.51	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	7.63	J	1	1.40	10.0	25	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: MW-4 | **Lab Sample ID:** C111404-01 | **Received:** 09/20/11 13:10

Matrix: Ground Water | **Sampled:** 09/19/11 12:40 | **Work Order:** C111404

Project: Wayne Closed MSWLF | **Sampled By:** Jonathan Pfohl

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	09/22/11 14:28	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	09/22/11 14:28	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	09/22/11 14:28	MSZ	
Aldrin [309-00-2] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/22/11 14:28	MSZ	
alpha-BHC [319-84-6] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/22/11 14:28	MSZ	
beta-BHC [319-85-7] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/22/11 14:28	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	09/22/11 14:28	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	09/22/11 14:28	MSZ	
Chlordane-gamma [5566-34-7] ^	0.040	U	ug/L	1	0.040	0.050	NE	EPA 8081B	09/22/11 14:28	MSZ	
delta-BHC [319-86-8] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/22/11 14:28	MSZ	
Dieldrin [60-57-1] ^	0.0020	U	ug/L	1	0.0020	0.050	0.075	EPA 8081B	09/22/11 14:28	MSZ	
Endosulfan I [959-98-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	09/22/11 14:28	MSZ	
Endosulfan II [33213-65-9] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/22/11 14:28	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	09/22/11 14:28	MSZ	
Endrin [72-20-8] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/22/11 14:28	MSZ	
Endrin aldehyde [7421-93-4] ^	0.031	U	ug/L	1	0.031	0.050	0.1	EPA 8081B	09/22/11 14:28	MSZ	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/22/11 14:28	MSZ	
Heptachlor [76-44-8] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/22/11 14:28	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.027	U	ug/L	1	0.027	0.050	0.075	EPA 8081B	09/22/11 14:28	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	09/22/11 14:28	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	09/22/11 14:28	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.94*	*1*	*1.00*	*94 %*	*44-134*	*1I21003*	*EPA 8081B*	*09/22/11 14:28*	*MSZ*	
Decachlorobiphenyl	*0.78*	*1*	*1.00*	*78 %*	*37-149*	*1I21003*	*EPA 8081B*	*09/22/11 14:28*	*MSZ*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: MW-6 | **Lab Sample ID:** C111404-02 | **Received:** 09/20/11 13:10

Matrix: Ground Water | **Sampled:** 09/19/11 13:15 | **Work Order:** C111404

Project: Wayne Closed MSWLF | **Sampled By:** Jonathan Pfohl

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	09/22/11 14:41	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	09/22/11 14:41	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	09/22/11 14:41	MSZ	
Aldrin [309-00-2] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/22/11 14:41	MSZ	
alpha-BHC [319-84-6] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/22/11 14:41	MSZ	
beta-BHC [319-85-7] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/22/11 14:41	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	09/22/11 14:41	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	09/22/11 14:41	MSZ	
Chlordane-gamma [5566-34-7] ^	0.040	U	ug/L	1	0.040	0.050	NE	EPA 8081B	09/22/11 14:41	MSZ	
delta-BHC [319-86-8] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/22/11 14:41	MSZ	
Dieldrin [60-57-1] ^	0.0020	U	ug/L	1	0.0020	0.050	0.075	EPA 8081B	09/22/11 14:41	MSZ	
Endosulfan I [959-98-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	09/22/11 14:41	MSZ	
Endosulfan II [33213-65-9] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/22/11 14:41	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	09/22/11 14:41	MSZ	
Endrin [72-20-8] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/22/11 14:41	MSZ	
Endrin aldehyde [7421-93-4] ^	0.031	U	ug/L	1	0.031	0.050	0.1	EPA 8081B	09/22/11 14:41	MSZ	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/22/11 14:41	MSZ	
Heptachlor [76-44-8] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/22/11 14:41	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.027	U	ug/L	1	0.027	0.050	0.075	EPA 8081B	09/22/11 14:41	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	09/22/11 14:41	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	09/22/11 14:41	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.92*	*1*	*1.00*	*92 %*	*44-134*	*1I21003*	*EPA 8081B*	*09/22/11 14:41*	*MSZ*	
Decachlorobiphenyl	*0.87*	*1*	*1.00*	*87 %*	*37-149*	*1I21003*	*EPA 8081B*	*09/22/11 14:41*	*MSZ*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: MW-7
Matrix: Ground Water
Project: Wayne Closed MSWLF

Lab Sample ID: C111404-03
Sampled: 09/19/11 14:00
Sampled By: Jonathan Pfohl

Received: 09/20/11 13:10
Work Order: C111404

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	09/23/11 16:32	NLH	

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Description: MW-7 | **Lab Sample ID:** C111404-03 | **Received:** 09/20/11 13:10

Matrix: Ground Water | **Sampled:** 09/19/11 14:00 | **Work Order:** C111404

Project: Wayne Closed MSWLF | **Sampled By:** Jonathan Pfohl

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 11:27	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/22/11 12:18	JDH	
Barium [7440-39-3] ^	**52.9**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/22/11 12:18	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/22/11 12:18	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/22/11 12:18	JDH	
Chromium [7440-47-3] ^	**4.98**	J	ug/L	1	1.00	10.0	10	EPA 6010C	09/22/11 12:18	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/22/11 12:18	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/22/11 12:18	JDH	
Lead [7439-92-1] ^	**4.51**	J	ug/L	1	1.90	10.0	10	EPA 6010C	09/22/11 12:18	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/22/11 12:18	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	09/27/11 11:27	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/22/11 12:18	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 11:27	VLO	
Tin [7440-31-5] ^	2.10	U	ug/L	1	2.10	10.0	100	EPA 6010C	09/22/11 12:18	JDH	
Vanadium [7440-62-2] ^	**7.63**	J	ug/L	1	1.40	10.0	25	EPA 6010C	09/22/11 12:18	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	09/22/11 12:18	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: MW-8 | **Lab Sample ID:** C111404-04 | **Received:** 09/20/11 13:10

Matrix: Ground Water | **Sampled:** 09/19/11 12:05 | **Work Order:** C111404

Project: Wayne Closed MSWLF | **Sampled By:** Jonathan Pfohl

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	09/22/11 14:55	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	09/22/11 14:55	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	09/22/11 14:55	MSZ	
Aldrin [309-00-2] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/22/11 14:55	MSZ	
alpha-BHC [319-84-6] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/22/11 14:55	MSZ	
beta-BHC [319-85-7] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/22/11 14:55	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	09/22/11 14:55	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	09/22/11 14:55	MSZ	
Chlordane-gamma [5566-34-7] ^	0.040	U	ug/L	1	0.040	0.050	NE	EPA 8081B	09/22/11 14:55	MSZ	
delta-BHC [319-86-8] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/22/11 14:55	MSZ	
Dieldrin [60-57-1] ^	0.0020	U	ug/L	1	0.0020	0.050	0.075	EPA 8081B	09/22/11 14:55	MSZ	
Endosulfan I [959-98-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	09/22/11 14:55	MSZ	
Endosulfan II [33213-65-9] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/22/11 14:55	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	09/22/11 14:55	MSZ	
Endrin [72-20-8] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/22/11 14:55	MSZ	
Endrin aldehyde [7421-93-4] ^	0.031	U	ug/L	1	0.031	0.050	0.1	EPA 8081B	09/22/11 14:55	MSZ	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/22/11 14:55	MSZ	
Heptachlor [76-44-8] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/22/11 14:55	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.027	U	ug/L	1	0.027	0.050	0.075	EPA 8081B	09/22/11 14:55	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	09/22/11 14:55	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	09/22/11 14:55	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.95*	*1*	*1.00*	*95 %*	*44-134*	*1I21003*	*EPA 8081B*	*09/22/11 14:55*	*MSZ*	
Decachlorobiphenyl	*0.93*	*1*	*1.00*	*93 %*	*37-149*	*1I21003*	*EPA 8081B*	*09/22/11 14:55*	*MSZ*	

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Description:	MW-8	**Lab Sample ID:**	C111404-04	**Received:**	09/20/11 13:10
Matrix:	Ground Water	**Sampled:**	09/19/11 12:05	**Work Order:**	C111404
Project:	Wayne Closed MSWLF	**Sampled By:**	Jonathan Pfohl		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	09/23/11 16:35	NLH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 1I21003 - EPA 3510C

Blank (1I21003-BLK1) Prepared: 09/21/2011 06:06 Analyzed: 09/22/2011 12:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.044	U	0.050	ug/L							
4,4'-DDE	0.048	U	0.050	ug/L							
4,4'-DDT	0.049	U	0.050	ug/L							
Aldrin	0.038	U	0.050	ug/L							
alpha-BHC	0.027	U	0.050	ug/L							
beta-BHC	0.027	U	0.050	ug/L							
Chlordane (tech)	0.20	U	0.50	ug/L							
Chlordane-alpha	0.048	U	0.050	ug/L							
Chlordane-gamma	0.040	U	0.050	ug/L							
delta-BHC	0.022	U	0.050	ug/L							
Dieldrin	0.0020	U	0.050	ug/L							
Endosulfan I	0.041	U	0.050	ug/L							
Endosulfan II	0.029	U	0.050	ug/L							
Endosulfan sulfate	0.025	U	0.050	ug/L							
Endrin	0.029	U	0.050	ug/L							
Endrin aldehyde	0.031	U	0.050	ug/L							
gamma-BHC	0.022	U	0.050	ug/L							
Heptachlor	0.038	U	0.050	ug/L							
Heptachlor epoxide	0.027	U	0.050	ug/L							
Methoxychlor	0.025	U	0.050	ug/L							
Toxaphene	0.22	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*1.0*			*ug/L*	*1.00*		*100*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.2*			*ug/L*	*1.00*		*120*	*37-149*			

LCS (1I21003-BS1) Prepared: 09/21/2011 06:06 Analyzed: 09/22/2011 12:28

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.1		0.050	ug/L	1.00		106	37-139			
Dieldrin	1.2		0.050	ug/L	1.00		118	46-132			
Endrin	1.1		0.050	ug/L	1.00		107	43-133			
Surrogate: 2,4,5,6-TCMX	*1.0*			*ug/L*	*1.00*		*102*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.2*			*ug/L*	*1.00*		*120*	*37-149*			

Matrix Spike (1I21003-MS1) Prepared: 09/21/2011 06:06 Analyzed: 09/22/2011 12:42

Source: C111402-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.1		0.050	ug/L	1.00	0.049 U	107	37-139			
Dieldrin	1.1		0.050	ug/L	1.00	0.0020 U	114	46-132			
Endrin	1.1		0.050	ug/L	1.00	0.029 U	106	43-133			
Surrogate: 2,4,5,6-TCMX	*1.0*			*ug/L*	*1.00*		*100*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.2*			*ug/L*	*1.00*		*123*	*37-149*			

Matrix Spike Dup (1I21003-MSD1) Prepared: 09/21/2011 06:06 Analyzed: 09/22/2011 12:55

Source: C111402-04

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 1I21003 - EPA 3510C

Matrix Spike Dup (1I21003-MSD1) Continued Prepared: 09/21/2011 06:06 Analyzed: 09/22/2011 12:55

Source: C111402-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.99		0.050	ug/L	1.00	0.049 U	99	37-139	8	26	
Dieldrin	1.1		0.050	ug/L	1.00	0.0020 U	106	46-132	7	27	
Endrin	0.98		0.050	ug/L	1.00	0.029 U	98	43-133	8	26	
Surrogate: 2,4,5,6-TCMX	*0.89*			*ug/L*	*1.00*		*89*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*114*	*37-149*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1I23018 - EPA 245.1

Blank (1I23018-BLK1) Prepared: 09/23/2011 10:25 Analyzed: 09/23/2011 15:24

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.170	U	0.200	ug/L							

LCS (1I23018-BS1) Prepared: 09/23/2011 10:25 Analyzed: 09/23/2011 15:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.78		0.200	ug/L	5.00		96	85-115			

Matrix Spike (1I23018-MS1) Prepared: 09/23/2011 10:25 Analyzed: 09/23/2011 15:33

Source: C111386-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.68		0.200	ug/L	5.00	0.170 U	94	85-115			

Matrix Spike Dup (1I23018-MSD1) Prepared: 09/23/2011 10:25 Analyzed: 09/23/2011 15:42

Source: C111386-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.79		0.200	ug/L	5.00	0.170 U	96	85-115	2	15	

Post Spike (1I23018-PS1) Prepared: 09/23/2011 10:25 Analyzed: 09/23/2011 15:45

Source: C111386-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.48		0.200	ug/L	5.00	-0.00570	90	75-125			

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1I21012 - EPA 3005A

Blank (1I21012-BLK1) Prepared: 09/21/2011 10:21 Analyzed: 09/22/2011 10:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1I21012 - EPA 3005A

Blank (1I21012-BLK1) Continued Prepared: 09/21/2011 10:21 Analyzed: 09/22/2011 10:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Tin	2.10	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (1I21012-BS1) Prepared: 09/21/2011 10:21 Analyzed: 09/22/2011 11:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	201		10.0	ug/L	200		101	80-120			
Barium	210		10.0	ug/L	200		105	80-120			
Beryllium	19.9		1.00	ug/L	20.0		99	80-120			
Cadmium	21.2		1.00	ug/L	20.0		106	80-120			
Chromium	199		10.0	ug/L	200		100	80-120			
Cobalt	207		10.0	ug/L	200		103	80-120			
Copper	197		10.0	ug/L	200		99	80-120			
Lead	204		10.0	ug/L	200		102	80-120			
Nickel	210		10.0	ug/L	200		105	80-120			
Silver	205		10.0	ug/L	200		103	80-120			
Tin	200		10.0	ug/L	200		100	80-120			
Vanadium	202		10.0	ug/L	200		101	80-120			
Zinc	208		10.0	ug/L	200		104	80-120			

Matrix Spike (1I21012-MS1) Prepared: 09/21/2011 10:21 Analyzed: 09/22/2011 11:14

Source: C111335-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	204		10.0	ug/L	200	2.80 U	102	75-125			
Barium	254		10.0	ug/L	200	45.7	104	75-125			
Beryllium	20.1		1.00	ug/L	20.0	0.100 U	101	75-125			
Cadmium	21.0		1.00	ug/L	20.0	0.360 U	105	75-125			
Chromium	203		10.0	ug/L	200	1.74	100	75-125			
Cobalt	205		10.0	ug/L	200	1.10 U	103	75-125			
Copper	197		10.0	ug/L	200	1.60 U	99	75-125			
Lead	201		10.0	ug/L	200	1.90 U	101	75-125			
Nickel	207		10.0	ug/L	200	1.80 U	104	75-125			
Silver	204		10.0	ug/L	200	1.90 U	102	75-125			
Tin	204		10.0	ug/L	200	2.10 U	102	75-125			
Vanadium	205		10.0	ug/L	200	1.40 U	102	75-125			
Zinc	208		10.0	ug/L	200	3.80 U	104	75-125			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1I21012 - EPA 3005A

Matrix Spike Dup (1I21012-MSD1) Prepared: 09/21/2011 10:21 Analyzed: 09/22/2011 11:16

Source: C111335-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	204		10.0	ug/L	200	2.80 U	102	75-125	0.006	20	
Barium	246		10.0	ug/L	200	45.7	100	75-125	3	20	
Beryllium	20.1		1.00	ug/L	20.0	0.100 U	101	75-125	0.06	20	
Cadmium	20.4		1.00	ug/L	20.0	0.360 U	102	75-125	3	20	
Chromium	203		10.0	ug/L	200	1.74	101	75-125	0.06	20	
Cobalt	208		10.0	ug/L	200	1.10 U	104	75-125	1	20	
Copper	197		10.0	ug/L	200	1.60 U	99	75-125	0.07	20	
Lead	202		10.0	ug/L	200	1.90 U	101	75-125	0.4	20	
Nickel	202		10.0	ug/L	200	1.80 U	101	75-125	3	20	
Silver	205		10.0	ug/L	200	1.90 U	103	75-125	0.3	20	
Tin	205		10.0	ug/L	200	2.10 U	103	75-125	0.8	20	
Vanadium	204		10.0	ug/L	200	1.40 U	102	75-125	0.1	20	
Zinc	201		10.0	ug/L	200	3.80 U	101	75-125	3	20	

Post Spike (1I21012-PS1) Prepared: 09/21/2011 10:21 Analyzed: 09/22/2011 11:23

Source: C111335-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.193		0.0100	mg/L	0.200	0.00258	95	80-120			
Barium	0.244		0.0100	mg/L	0.200	0.0457	99	80-120			
Beryllium	0.0193		0.00100	mg/L	0.0200	-1.46E-5	96	80-120			
Cadmium	0.0201		0.00100	mg/L	0.0200	-5.61E-5	101	80-120			
Chromium	0.194		0.0100	mg/L	0.200	0.00174	96	80-120			
Cobalt	0.196		0.0100	mg/L	0.200	-0.000101	98	80-120			
Copper	0.187		0.0100	mg/L	0.200	0.000260	94	80-120			
Lead	0.193		0.0100	mg/L	0.200	0.000221	96	80-120			
Nickel	0.198		0.0100	mg/L	0.200	0.000591	99	80-120			
Silver	0.135		0.0100	mg/L	0.200	0.000165	67	80-120			QM-08
Tin	0.193		0.0100	mg/L	0.200	0.00149	96	80-120			
Vanadium	0.195		0.0100	mg/L	0.200	0.000731	97	80-120			
Zinc	0.199		0.0100	mg/L	0.200	0.000930	99	80-120			

Batch 1I26022 - EPA 3005A

Blank (1I26022-BLK1) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 10:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (1I26022-BS1) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 10:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.9		2.00	ug/L	25.0		99	80-120			
Selenium	24.1		1.00	ug/L	25.0		96	80-120			
Thallium	27.1		1.00	ug/L	25.0		108	80-120			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1I26022 - EPA 3005A

Matrix Spike (1I26022-MS1) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:37

Source: C109732-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.6		2.00	ug/L	25.0	0.220 U	98	75-125			
Selenium	24.5		1.00	ug/L	25.0	0.830 U	98	75-125			
Thallium	27.0		1.00	ug/L	25.0	0.110 U	108	75-125			

Matrix Spike (1I26022-MS2) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:45

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.9		2.00	ug/L	25.0	0.220 U	99	75-125			
Selenium	25.1		1.00	ug/L	25.0	0.830 U	100	75-125			
Thallium	27.3		1.00	ug/L	25.0	0.110 U	109	75-125			

Matrix Spike (1I26022-MS3) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:52

Source: C111335-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.3		2.00	ug/L	25.0	0.220 U	97	75-125			
Selenium	24.8		1.00	ug/L	25.0	0.830 U	99	75-125			
Thallium	27.2		1.00	ug/L	25.0	0.110 U	109	75-125			

Matrix Spike Dup (1I26022-MSD1) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:41

Source: C109732-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.8		2.00	ug/L	25.0	0.220 U	99	75-125	0.9	20	
Selenium	24.1		1.00	ug/L	25.0	0.830 U	97	75-125	2	20	
Thallium	27.4		1.00	ug/L	25.0	0.110 U	110	75-125	2	20	

Matrix Spike Dup (1I26022-MSD2) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:48

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.6		2.00	ug/L	25.0	0.220 U	99	75-125	1	20	
Selenium	24.8		1.00	ug/L	25.0	0.830 U	99	75-125	1	20	
Thallium	27.6		1.00	ug/L	25.0	0.110 U	110	75-125	1	20	

Matrix Spike Dup (1I26022-MSD3) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:56

Source: C111335-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.7		2.00	ug/L	25.0	0.220 U	99	75-125	2	20	
Selenium	24.3		1.00	ug/L	25.0	0.830 U	97	75-125	2	20	
Thallium	28.0		1.00	ug/L	25.0	0.110 U	112	75-125	3	20	

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1I26022 - EPA 3005A

Post Spike (1I26022-PS1) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:59

Source: C109732-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.1		2.00	ug/L	25.0	-0.00600	100	80-120			
Selenium	24.5		1.00	ug/L	25.0	-0.0230	98	80-120			
Thallium	27.6		1.00	ug/L	25.0	-0.680	113	80-120			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).

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(919) 467-3090 Fax (919) 467-3515

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Page 1 of 1

Client Name: Municipal Engineering Services (MU001)	Project Number: [none]
Address: P.O. Box 97	Project Name/Desc: Wayne Closed MSWLF
City/ST/Zip: Garner, NC 27529	PO # / Billing Info
Tel: (919) 772-5393 Fax: (919) 772-1176	Reporting Contact: Jonathan Pfohl
Sampler(s) Name, Affiliation (Print): Jonathan Pfohl	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Site Location / Time Zone

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C111404

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081B Appendix 2	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Hg								Sample Comments
	MW-4	9/19/11	12:40	Grab	GW	1	X										
	MW-6	↓	1:15	↓	GW	1	X										
	MW-7		2:00		GW	1		X	X								
	MW-8		12:05		GW	2	X		X								

<-- Total # of Containers

Sample Kit Prepared By: Briana Gregory	Date/Time: 9/19/11	Relinquished By: [signature] 9:27	Date/Time: 9/21/11	Received By: [signature]	Date/Time: 9/21/11 927
Comments/Special Reporting Requirements		Relinquished By: [signature]	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By: [signature]	Date/Time: 9/22/11 110
		Cooler #'s & Temps on Receipt: C-786 1.1°C		Condition Upon Receipt: ✓ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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(704)875-9092

August 26, 2011

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

RE: Project: WAYNE CLOSED MSW LF-SW-BY MW-2
Pace Project No.: 92100651

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Ms. Maggie German, Municipal Engineering Services

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CERTIFICATIONS

Project: WAYNE CLOSED MSW LF-SW-BY MW-2
Pace Project No.: 92100651

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE SUMMARY

Project: WAYNE CLOSED MSW LF-SW-BY MW-2
Pace Project No.: 92100651

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92100651001	**SW-BY-MW-2**	Water	08/16/11 17:55	08/17/11 14:55

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SAMPLE ANALYTE COUNT

Project: WAYNE CLOSED MSW LF-SW-BY MW-2
Pace Project No.: 92100651

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92100651001	**SW-BY-MW-2**	EPA 8260	MCK	68	PASI-C
		SM 4500-CN-E	DMN	1	PASI-A

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSW LF-SW-BY MW-2
Pace Project No.: 92100651

Sample: SW-BY-MW-2 **Lab ID: 92100651001** Collected: 08/16/11 17:55 Received: 08/17/11 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**2.7J**	ug/L	100	2.2	1		08/19/11 14:03	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/19/11 14:03	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/19/11 14:03	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 14:03	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/19/11 14:03	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		08/19/11 14:03	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 14:03	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 14:03	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 14:03	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 14:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 14:03	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/19/11 14:03	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 14:03	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/19/11 14:03	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 14:03	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/19/11 14:03	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/19/11 14:03	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/19/11 14:03	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 14:03	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 14:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 14:03	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 14:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/19/11 14:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		08/19/11 14:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 14:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 14:03	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		08/19/11 14:03	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 14:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 14:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 14:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 14:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 14:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 14:03	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 14:03	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/19/11 14:03	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/19/11 14:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 14:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 14:03	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 14:03	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/19/11 14:03	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/19/11 14:03	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 14:03	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 14:03	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/19/11 14:03	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/19/11 14:03	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/19/11 14:03	75-09-2	

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSW LF-SW-BY MW-2
Pace Project No.: 92100651

Sample: SW-BY-MW-2 **Lab ID: 92100651001** Collected: 08/16/11 17:55 Received: 08/17/11 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/19/11 14:03	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 14:03	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		08/19/11 14:03	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/19/11 14:03	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 14:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 14:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 14:03	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 14:03	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 14:03	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/19/11 14:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 14:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 14:03	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 14:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 14:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 14:03	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 14:03	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 14:03	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 14:03	1330-20-7	
4-Bromofluorobenzene (S)	95	%	70-130		1		08/19/11 14:03	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		08/19/11 14:03	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		08/19/11 14:03	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		08/19/11 14:03	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	10.0	1		08/25/11 15:45	57-12-5	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSW LF-SW-BY MW-2
Pace Project No.: 92100651

QC Batch: MSV/16410
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92100651001

METHOD BLANK: 650152
Matrix: Water
Associated Lab Samples: 92100651001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/19/11 13:38	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/19/11 13:38	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	08/19/11 13:38	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/19/11 13:38	
1,1-Dichloroethane	ug/L	ND	5.0	08/19/11 13:38	
1,1-Dichloroethene	ug/L	ND	5.0	08/19/11 13:38	
1,1-Dichloropropene	ug/L	ND	5.0	08/19/11 13:38	
1,2,3-Trichloropropane	ug/L	ND	1.0	08/19/11 13:38	
1,2,4-Trichlorobenzene	ug/L	ND	10.0	08/19/11 13:38	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	08/19/11 13:38	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/19/11 13:38	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/19/11 13:38	
1,2-Dichloroethane	ug/L	ND	1.0	08/19/11 13:38	
1,2-Dichloropropane	ug/L	ND	1.0	08/19/11 13:38	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/19/11 13:38	
1,3-Dichloropropane	ug/L	ND	1.0	08/19/11 13:38	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/19/11 13:38	
2,2-Dichloropropane	ug/L	ND	15.0	08/19/11 13:38	
2-Butanone (MEK)	ug/L	ND	100	08/19/11 13:38	
2-Hexanone	ug/L	ND	50.0	08/19/11 13:38	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	08/19/11 13:38	
Acetone	ug/L	ND	100	08/19/11 13:38	
Acetonitrile	ug/L	ND	55.0	08/19/11 13:38	
Acrolein	ug/L	ND	53.0	08/19/11 13:38	
Acrylonitrile	ug/L	ND	200	08/19/11 13:38	
Allyl chloride	ug/L	ND	10.0	08/19/11 13:38	
Benzene	ug/L	ND	1.0	08/19/11 13:38	
Bromochloromethane	ug/L	ND	3.0	08/19/11 13:38	
Bromodichloromethane	ug/L	ND	1.0	08/19/11 13:38	
Bromoform	ug/L	ND	3.0	08/19/11 13:38	
Bromomethane	ug/L	ND	10.0	08/19/11 13:38	
Carbon disulfide	ug/L	ND	100	08/19/11 13:38	
Carbon tetrachloride	ug/L	ND	1.0	08/19/11 13:38	
Chlorobenzene	ug/L	ND	3.0	08/19/11 13:38	
Chloroethane	ug/L	ND	10.0	08/19/11 13:38	
Chloroform	ug/L	ND	5.0	08/19/11 13:38	
Chloromethane	ug/L	ND	1.0	08/19/11 13:38	
Chloroprene	ug/L	ND	20.0	08/19/11 13:38	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/19/11 13:38	
cis-1,3-Dichloropropene	ug/L	ND	1.0	08/19/11 13:38	
Dibromochloromethane	ug/L	ND	3.0	08/19/11 13:38	
Dibromomethane	ug/L	ND	10.0	08/19/11 13:38	
Dichlorodifluoromethane	ug/L	ND	5.0	08/19/11 13:38	

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSW LF-SW-BY MW-2
Pace Project No.: 92100651

METHOD BLANK: 650152 Matrix: Water

Associated Lab Samples: 92100651001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl methacrylate	ug/L	ND	10.0	08/19/11 13:38	
Ethylbenzene	ug/L	ND	1.0	08/19/11 13:38	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	08/19/11 13:38	
Iodomethane	ug/L	ND	10.0	08/19/11 13:38	
Isobutanol	ug/L	ND	100	08/19/11 13:38	
Methacrylonitrile	ug/L	ND	100	08/19/11 13:38	
Methyl methacrylate	ug/L	ND	30.0	08/19/11 13:38	
Methylene Chloride	ug/L	ND	1.0	08/19/11 13:38	
Naphthalene	ug/L	ND	10.0	08/19/11 13:38	
Propionitrile	ug/L	ND	150	08/19/11 13:38	
Styrene	ug/L	ND	1.0	08/19/11 13:38	
Tetrachloroethene	ug/L	ND	1.0	08/19/11 13:38	
Toluene	ug/L	ND	1.0	08/19/11 13:38	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/19/11 13:38	
trans-1,3-Dichloropropene	ug/L	ND	1.0	08/19/11 13:38	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/19/11 13:38	
Trichloroethene	ug/L	ND	1.0	08/19/11 13:38	
Trichlorofluoromethane	ug/L	ND	1.0	08/19/11 13:38	
Vinyl acetate	ug/L	ND	50.0	08/19/11 13:38	
Vinyl chloride	ug/L	ND	1.0	08/19/11 13:38	
Xylene (Total)	ug/L	ND	5.0	08/19/11 13:38	
1,2-Dichloroethane-d4 (S)	%	105	70-130	08/19/11 13:38	
4-Bromofluorobenzene (S)	%	93	70-130	08/19/11 13:38	
Dibromofluoromethane (S)	%	106	70-130	08/19/11 13:38	
Toluene-d8 (S)	%	97	70-130	08/19/11 13:38	

LABORATORY CONTROL SAMPLE: 650153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.9	108	70-130	
1,1,1-Trichloroethane	ug/L	50	47.2	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.2	102	70-130	
1,1,2-Trichloroethane	ug/L	50	51.2	102	70-130	
1,1-Dichloroethane	ug/L	50	45.3	91	70-130	
1,1-Dichloroethene	ug/L	50	42.6	85	70-132	
1,1-Dichloropropene	ug/L	50	44.7	89	70-130	
1,2,3-Trichloropropane	ug/L	50	49.8	100	70-130	
1,2,4-Trichlorobenzene	ug/L	50	55.3	111	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	51.8	104	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.9	104	70-130	
1,2-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,2-Dichloroethane	ug/L	50	46.4	93	70-130	
1,2-Dichloropropane	ug/L	50	48.6	97	70-130	
1,3-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,3-Dichloropropane	ug/L	50	50.4	101	70-130	

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(828)254-7176

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

QUALITY CONTROL DATA

Project: WAYNE CLOSED MSW LF-SW-BY MW-2
Pace Project No.: 92100651

LABORATORY CONTROL SAMPLE: 650153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	50.6	101	70-130	
2,2-Dichloropropane	ug/L	50	50.5	101	58-145	
2-Butanone (MEK)	ug/L	100	78.8J	79	70-145	
2-Hexanone	ug/L	100	92.1	92	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	111	111	70-140	
Acetone	ug/L	100	65.5J	65	50-175	F3
Acetonitrile	ug/L	500	493	99	70-130	
Acrolein	ug/L	250	359	144	70-130	F3,L3
Acrylonitrile	ug/L	250	276	110	70-143	
Allyl chloride	ug/L	50	49.3	99	70-130	
Benzene	ug/L	50	45.3	91	70-130	
Bromochloromethane	ug/L	50	46.5	93	70-130	
Bromodichloromethane	ug/L	50	50.4	101	70-130	
Bromoform	ug/L	50	53.4	107	70-130	
Bromomethane	ug/L	50	44.6	89	54-130	
Carbon disulfide	ug/L	50	45.9J	92	70-131	
Carbon tetrachloride	ug/L	50	54.6	109	70-132	
Chlorobenzene	ug/L	50	50.9	102	70-130	
Chloroethane	ug/L	50	49.6	99	64-134	
Chloroform	ug/L	50	47.1	94	70-130	
Chloromethane	ug/L	50	38.5	77	64-130	
Chloroprene	ug/L	50	38.3	77	70-130	
cis-1,2-Dichloroethene	ug/L	50	44.6	89	70-131	
cis-1,3-Dichloropropene	ug/L	50	53.4	107	70-130	
Dibromochloromethane	ug/L	50	53.0	106	70-130	
Dibromomethane	ug/L	50	50.2	100	70-131	
Dichlorodifluoromethane	ug/L	50	44.8	90	56-130	
Ethyl methacrylate	ug/L	50	55.5	111	70-130	
Ethylbenzene	ug/L	50	49.5	99	70-130	
Hexachloro-1,3-butadiene	ug/L	50	53.7	107	70-130	
Iodomethane	ug/L	100	98.4	98	49-180	
Isobutanol	ug/L	1000	1020	102	70-130	
Methacrylonitrile	ug/L	500	490	98	70-130	
Methyl methacrylate	ug/L	50	51.4	103	70-130	
Methylene Chloride	ug/L	50	43.9	88	63-130	
Naphthalene	ug/L	50	53.7	107	70-138	
Propionitrile	ug/L	500	482	96	70-130	
Styrene	ug/L	50	48.7	97	70-130	
Tetrachloroethene	ug/L	50	51.6	103	70-130	
Toluene	ug/L	50	45.2	90	70-130	
trans-1,2-Dichloroethene	ug/L	50	43.7	87	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	55.6J	111	70-141	
Trichloroethene	ug/L	50	48.3	97	70-130	
Trichlorofluoromethane	ug/L	50	46.3	93	62-133	
Vinyl acetate	ug/L	100	118	118	66-157	
Vinyl chloride	ug/L	50	44.9	90	69-130	
Xylene (Total)	ug/L	150	158	105	70-130	

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(704)875-9092

QUALITY CONTROL DATA

Project: WAYNE CLOSED MSW LF-SW-BY MW-2
Pace Project No.: 92100651

LABORATORY CONTROL SAMPLE: 650153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 650154 650155

Parameter	Units	92100524015 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	40.3	39.1	81	78	70-166	3	30	
Benzene	ug/L	ND	50	50	41.7	40.2	83	80	70-148	4	30	
Chlorobenzene	ug/L	ND	50	50	61.4	60.7	123	121	70-146	1	30	
Toluene	ug/L	ND	50	50	50.6	49.6	101	99	70-155	2	30	
Trichloroethene	ug/L	ND	50	50	48.8	47.7	98	95	69-151	2	30	
1,2-Dichloroethane-d4 (S)	%						118	116	70-130			
4-Bromofluorobenzene (S)	%						94	94	70-130			
Dibromofluoromethane (S)	%						107	108	70-130			
Toluene-d8 (S)	%						93	92	70-130			

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSW LF-SW-BY MW-2
Pace Project No.: 92100651

QC Batch: WETA/10434
QC Batch Method: SM 4500-CN-E
Analysis Method: SM 4500-CN-E
Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 92100651001

METHOD BLANK: 651922
Matrix: Water
Associated Lab Samples: 92100651001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	ND	10.0	08/25/11 15:13	

LABORATORY CONTROL SAMPLE: 651923

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	100	82.3	82	80-120	

MATRIX SPIKE SAMPLE: 651924

Parameter	Units	92100522002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	ND	100	34.2	30	75-125	M1

SAMPLE DUPLICATE: 651925

Parameter	Units	92100522002 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	ug/L	ND	ND		20	

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QUALIFIERS

Project: WAYNE CLOSED MSW LF-SW-BY MW-2
Pace Project No.: 92100651

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.

SG - Silica Gel - Clean-Up

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

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

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

LABORATORIES

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

ANALYTE QUALIFIERS

F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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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

1501973

Section A Required Client Information:

Company: Municipal Engineering Services
Address:
Email To:
Phone: Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: jpfahl@mesco.com
Copy To:
Purchase Order No.:
Project Name: Wayne Closed MSW LF-SW-BY_MW-2
Project Number:

Section C Invoice Information:

Attention:
Company Name:
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

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

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

Requested Analysis Filtered (Y/N)

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	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): Cyanide	VOCs - Appx 2	Residual Chlorine (Y/N)	Pace Project No./Lab I.D.
1	SW-BY_MW-2	WT	G			8/16/11	5:55		4				3					✓	✓		92100651
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	[signature] MESCO	8/17/11	940	[signature] Pace	8/17/11	940
	[signature] Pace	8/17/11	1455	[signature]	8/17/11	1455

SAMPLE CONDITIONS: Temp in °C: 2.6; Received on Ice (Y/N): Y; Custody Sealed Cooler (Y/N): N; Samples Intact (Y/N): Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: J. Pfahl

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8/17/11

*Important Note: By signing this form you 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.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: July 29, 2011 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.05**	Issuing Authority: Pace Huntersville Quality Office

Client Name: Municipal Project # 92100651

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden

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

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

Optional
Proj. Due Date:
Proj. Name:

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

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

Temp Correction Factor Add / Subtract _____ °C

Corrected Cooler Temp.: 2.4 °C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 8/17/11

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: [signature] **Date:** 8/17/11 **SRF Review:** [signature] **Date:** 8/18/11

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 30, 2011

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

RE: Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Ms. Maggie German, Municipal Engineering Services

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CERTIFICATIONS

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE SUMMARY

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92100654001	**SW-1**	Water	08/16/11 13:30	08/17/11 14:55
92100654002	**SW-2**	Water	08/16/11 13:15	08/17/11 14:55
92100654003	**SW-3**	Water	08/16/11 12:20	08/17/11 14:55

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SAMPLE ANALYTE COUNT

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92100654001	**SW-1**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
92100654002	**SW-2**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
92100654003	**SW-3**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C

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ANALYTICAL RESULTS

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

Sample: SW-1 **Lab ID: 92100654001** Collected: 08/16/11 13:30 Received: 08/17/11 14:55 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	5.0	1	08/24/11 12:20	08/26/11 04:10	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:10	7440-38-2	
Barium	**65.0J**	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 04:10	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 04:10	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 04:10	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:10	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:10	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:10	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:10	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	08/24/11 12:20	08/26/11 04:10	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 04:10	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:10	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	08/24/11 12:20	08/26/11 18:46	7440-28-0	
Vanadium	ND	ug/L	25.0	5.0	1	08/24/11 12:20	08/26/11 04:10	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 04:10	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**4.4J**	ug/L	100	2.2	1		08/19/11 14:29	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 14:29	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		08/19/11 14:29	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 14:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 14:29	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 14:29	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 14:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 14:29	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/19/11 14:29	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 14:29	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/19/11 14:29	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 14:29	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/19/11 14:29	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/19/11 14:29	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 14:29	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 14:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 14:29	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 14:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/19/11 14:29	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 14:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 14:29	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 14:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 14:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 14:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 14:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 14:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 14:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 14:29	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 14:29	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

Sample: SW-1 **Lab ID: 92100654001** Collected: 08/16/11 13:30 Received: 08/17/11 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 14:29	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 14:29	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 14:29	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 14:29	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/19/11 14:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 14:29	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 14:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 14:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 14:29	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 14:29	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 14:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 14:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 14:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 14:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 14:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 14:29	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 14:29	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 14:29	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 14:29	1330-20-7	
4-Bromofluorobenzene (S)	93	%	70-130		1		08/19/11 14:29	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		08/19/11 14:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		08/19/11 14:29	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		08/19/11 14:29	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

Sample: SW-2 **Lab ID: 92100654002** Collected: 08/16/11 13:15 Received: 08/17/11 14:55 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	5.0	1	08/24/11 12:20	08/26/11 04:17	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:17	7440-38-2	
Barium	**67.0J**	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 04:17	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 04:17	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 04:17	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:17	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:17	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:17	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:17	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	08/24/11 12:20	08/26/11 04:17	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 04:17	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:17	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	08/24/11 12:20	08/26/11 18:49	7440-28-0	
Vanadium	ND	ug/L	25.0	5.0	1	08/24/11 12:20	08/26/11 04:17	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 04:17	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**3.0J**	ug/L	100	2.2	1		08/19/11 14:54	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 14:54	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		08/19/11 14:54	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 14:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 14:54	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 14:54	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 14:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 14:54	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/19/11 14:54	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 14:54	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/19/11 14:54	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 14:54	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/19/11 14:54	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/19/11 14:54	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 14:54	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 14:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 14:54	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 14:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/19/11 14:54	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 14:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 14:54	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 14:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 14:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 14:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 14:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 14:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 14:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 14:54	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 14:54	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

Sample: SW-2 **Lab ID: 92100654002** Collected: 08/16/11 13:15 Received: 08/17/11 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 14:54	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 14:54	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 14:54	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 14:54	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/19/11 14:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 14:54	108-10-1	
Styrene	**2.0**	ug/L	1.0	0.26	1		08/19/11 14:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 14:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 14:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 14:54	127-18-4	
Toluene	**0.31J**	ug/L	1.0	0.26	1		08/19/11 14:54	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 14:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 14:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 14:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 14:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 14:54	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 14:54	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 14:54	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 14:54	1330-20-7	
4-Bromofluorobenzene (S)	99	%	70-130		1		08/19/11 14:54	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		08/19/11 14:54	1868-53-7	
1,2-Dichloroethane-d4 (S)	115	%	70-130		1		08/19/11 14:54	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		08/19/11 14:54	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

Sample: SW-3 **Lab ID: 92100654003** Collected: 08/16/11 12:20 Received: 08/17/11 14:55 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	5.0	1	08/24/11 12:20	08/26/11 04:31	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:31	7440-38-2	
Barium	**123**	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 04:31	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 04:31	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 04:31	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:31	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:31	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:31	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:31	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	08/24/11 12:20	08/26/11 04:31	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 04:31	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 04:31	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	08/24/11 12:20	08/26/11 19:03	7440-28-0	
Vanadium	ND	ug/L	25.0	5.0	1	08/24/11 12:20	08/26/11 04:31	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 04:31	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**5.2J**	ug/L	100	2.2	1		08/19/11 15:20	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 15:20	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		08/19/11 15:20	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 15:20	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 15:20	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 15:20	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 15:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 15:20	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/19/11 15:20	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 15:20	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/19/11 15:20	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 15:20	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/19/11 15:20	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/19/11 15:20	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 15:20	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 15:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 15:20	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 15:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/19/11 15:20	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 15:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 15:20	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 15:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 15:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 15:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 15:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 15:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 15:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 15:20	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 15:20	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

Sample: SW-3 **Lab ID: 92100654003** Collected: 08/16/11 12:20 Received: 08/17/11 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 15:20	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 15:20	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 15:20	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 15:20	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		08/19/11 15:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 15:20	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 15:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 15:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 15:20	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 15:20	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 15:20	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 15:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 15:20	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 15:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 15:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 15:20	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 15:20	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 15:20	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 15:20	1330-20-7	
4-Bromofluorobenzene (S)	97	%	70-130		1		08/19/11 15:20	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		08/19/11 15:20	1868-53-7	
1,2-Dichloroethane-d4 (S)	116	%	70-130		1		08/19/11 15:20	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		08/19/11 15:20	2037-26-5	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

QC Batch: MPRP/8952 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92100654001, 92100654002, 92100654003

METHOD BLANK: 651159 Matrix: Water
Associated Lab Samples: 92100654001, 92100654002, 92100654003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	08/26/11 03:53	
Arsenic	ug/L	ND	10.0	08/26/11 03:53	
Barium	ug/L	ND	100	08/26/11 03:53	
Beryllium	ug/L	ND	1.0	08/26/11 03:53	
Cadmium	ug/L	ND	1.0	08/26/11 03:53	
Chromium	ug/L	ND	10.0	08/26/11 03:53	
Cobalt	ug/L	ND	10.0	08/26/11 03:53	
Copper	ug/L	ND	10.0	08/26/11 03:53	
Lead	ug/L	ND	10.0	08/26/11 03:53	
Nickel	ug/L	ND	50.0	08/26/11 03:53	
Selenium	ug/L	ND	10.0	08/26/11 03:53	
Silver	ug/L	ND	10.0	08/26/11 03:53	
Thallium	ug/L	ND	5.5	08/26/11 03:53	
Vanadium	ug/L	ND	25.0	08/26/11 03:53	
Zinc	ug/L	ND	10.0	08/26/11 03:53	

LABORATORY CONTROL SAMPLE: 651160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	481	96	80-120	
Arsenic	ug/L	500	490	98	80-120	
Barium	ug/L	500	480	96	80-120	
Beryllium	ug/L	500	516	103	80-120	
Cadmium	ug/L	500	510	102	80-120	
Chromium	ug/L	500	517	103	80-120	
Cobalt	ug/L	500	502	100	80-120	
Copper	ug/L	500	470	94	80-120	
Lead	ug/L	500	503	101	80-120	
Nickel	ug/L	500	507	101	80-120	
Selenium	ug/L	500	489	98	80-120	
Silver	ug/L	250	257	103	80-120	
Thallium	ug/L	500	456	91	80-120	
Vanadium	ug/L	500	490	98	80-120	
Zinc	ug/L	500	525	105	80-120	

MATRIX SPIKE SAMPLE: 651161

Parameter	Units	92100524012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	539	108	75-125	
Arsenic	ug/L	56.0	500	628	114	75-125	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

MATRIX SPIKE SAMPLE: 651161

Parameter	Units	92100524012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	355	500	776	84	75-125	
Beryllium	ug/L	ND	500	459	92	75-125	
Cadmium	ug/L	ND	500	443	89	75-125	
Chromium	ug/L	59.6	500	532	94	75-125	
Cobalt	ug/L	9.1J	500	442	87	75-125	
Copper	ug/L	ND	500	543	108	75-125	
Lead	ug/L	ND	500	404	81	75-125	
Nickel	ug/L	62.2	500	489	85	75-125	
Selenium	ug/L	ND	500	549	110	75-125	
Silver	ug/L	ND	250	315	125	75-125	
Thallium	ug/L	ND	500	340	68	75-125	M1
Vanadium	ug/L	12.8J	500	476	93	75-125	
Zinc	ug/L	89.1	500	666	115	75-125	

SAMPLE DUPLICATE: 651162

Parameter	Units	92100654001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	ND	ND		25	
Barium	ug/L	65.0J	63.8J	2	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	ND	ND		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	ND	ND		25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	ND	ND		25	
Thallium	ug/L	ND	ND		25	
Vanadium	ug/L	ND	ND		25	
Zinc	ug/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

QC Batch: MSV/16410 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92100654001, 92100654002, 92100654003

METHOD BLANK: 650152 Matrix: Water
Associated Lab Samples: 92100654001, 92100654002, 92100654003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/19/11 13:38	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/19/11 13:38	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	08/19/11 13:38	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/19/11 13:38	
1,1-Dichloroethane	ug/L	ND	5.0	08/19/11 13:38	
1,1-Dichloroethene	ug/L	ND	5.0	08/19/11 13:38	
1,2,3-Trichloropropane	ug/L	ND	1.0	08/19/11 13:38	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	08/19/11 13:38	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/19/11 13:38	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/19/11 13:38	
1,2-Dichloroethane	ug/L	ND	1.0	08/19/11 13:38	
1,2-Dichloropropane	ug/L	ND	1.0	08/19/11 13:38	
1,3-Dichloropropane	ug/L	ND	1.0	08/19/11 13:38	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/19/11 13:38	
2-Butanone (MEK)	ug/L	ND	100	08/19/11 13:38	
2-Hexanone	ug/L	ND	50.0	08/19/11 13:38	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	08/19/11 13:38	
Acetone	ug/L	ND	100	08/19/11 13:38	
Acrylonitrile	ug/L	ND	200	08/19/11 13:38	
Benzene	ug/L	ND	1.0	08/19/11 13:38	
Bromochloromethane	ug/L	ND	3.0	08/19/11 13:38	
Bromodichloromethane	ug/L	ND	1.0	08/19/11 13:38	
Bromoform	ug/L	ND	3.0	08/19/11 13:38	
Bromomethane	ug/L	ND	10.0	08/19/11 13:38	
Carbon disulfide	ug/L	ND	100	08/19/11 13:38	
Carbon tetrachloride	ug/L	ND	1.0	08/19/11 13:38	
Chlorobenzene	ug/L	ND	3.0	08/19/11 13:38	
Chloroethane	ug/L	ND	10.0	08/19/11 13:38	
Chloroform	ug/L	ND	5.0	08/19/11 13:38	
Chloromethane	ug/L	ND	1.0	08/19/11 13:38	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/19/11 13:38	
cis-1,3-Dichloropropene	ug/L	ND	1.0	08/19/11 13:38	
Dibromochloromethane	ug/L	ND	3.0	08/19/11 13:38	
Dibromomethane	ug/L	ND	10.0	08/19/11 13:38	
Ethylbenzene	ug/L	ND	1.0	08/19/11 13:38	
Iodomethane	ug/L	ND	10.0	08/19/11 13:38	
Methylene Chloride	ug/L	ND	1.0	08/19/11 13:38	
Styrene	ug/L	ND	1.0	08/19/11 13:38	
Tetrachloroethene	ug/L	ND	1.0	08/19/11 13:38	
Toluene	ug/L	ND	1.0	08/19/11 13:38	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/19/11 13:38	
trans-1,3-Dichloropropene	ug/L	ND	1.0	08/19/11 13:38	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/19/11 13:38	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

METHOD BLANK: 650152 Matrix: Water

Associated Lab Samples: 92100654001, 92100654002, 92100654003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	08/19/11 13:38	
Trichlorofluoromethane	ug/L	ND	1.0	08/19/11 13:38	
Vinyl acetate	ug/L	ND	50.0	08/19/11 13:38	
Vinyl chloride	ug/L	ND	1.0	08/19/11 13:38	
Xylene (Total)	ug/L	ND	5.0	08/19/11 13:38	
1,2-Dichloroethane-d4 (S)	%	105	70-130	08/19/11 13:38	
4-Bromofluorobenzene (S)	%	93	70-130	08/19/11 13:38	
Dibromofluoromethane (S)	%	106	70-130	08/19/11 13:38	
Toluene-d8 (S)	%	97	70-130	08/19/11 13:38	

LABORATORY CONTROL SAMPLE: 650153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.9	108	70-130	
1,1,1-Trichloroethane	ug/L	50	47.2	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.2	102	70-130	
1,1,2-Trichloroethane	ug/L	50	51.2	102	70-130	
1,1-Dichloroethane	ug/L	50	45.3	91	70-130	
1,1-Dichloroethene	ug/L	50	42.6	85	70-132	
1,2,3-Trichloropropane	ug/L	50	49.8	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	51.8	104	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.9	104	70-130	
1,2-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,2-Dichloroethane	ug/L	50	46.4	93	70-130	
1,2-Dichloropropane	ug/L	50	48.6	97	70-130	
1,3-Dichloropropane	ug/L	50	50.4	101	70-130	
1,4-Dichlorobenzene	ug/L	50	50.6	101	70-130	
2-Butanone (MEK)	ug/L	100	78.8J	79	70-145	
2-Hexanone	ug/L	100	92.1	92	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	111	111	70-140	
Acetone	ug/L	100	65.5J	65	50-175	F3
Acrylonitrile	ug/L	250	276	110	70-143	
Benzene	ug/L	50	45.3	91	70-130	
Bromochloromethane	ug/L	50	46.5	93	70-130	
Bromodichloromethane	ug/L	50	50.4	101	70-130	
Bromoform	ug/L	50	53.4	107	70-130	
Bromomethane	ug/L	50	44.6	89	54-130	
Carbon disulfide	ug/L	50	45.9J	92	70-131	
Carbon tetrachloride	ug/L	50	54.6	109	70-132	
Chlorobenzene	ug/L	50	50.9	102	70-130	
Chloroethane	ug/L	50	49.6	99	64-134	
Chloroform	ug/L	50	47.1	94	70-130	
Chloromethane	ug/L	50	38.5	77	64-130	
cis-1,2-Dichloroethene	ug/L	50	44.6	89	70-131	
cis-1,3-Dichloropropene	ug/L	50	53.4	107	70-130	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

LABORATORY CONTROL SAMPLE: 650153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	53.0	106	70-130	
Dibromomethane	ug/L	50	50.2	100	70-131	
Ethylbenzene	ug/L	50	49.5	99	70-130	
Iodomethane	ug/L	100	98.4	98	49-180	
Methylene Chloride	ug/L	50	43.9	88	63-130	
Styrene	ug/L	50	48.7	97	70-130	
Tetrachloroethene	ug/L	50	51.6	103	70-130	
Toluene	ug/L	50	45.2	90	70-130	
trans-1,2-Dichloroethene	ug/L	50	43.7	87	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	55.6J	111	70-141	
Trichloroethene	ug/L	50	48.3	97	70-130	
Trichlorofluoromethane	ug/L	50	46.3	93	62-133	
Vinyl acetate	ug/L	100	118	118	66-157	
Vinyl chloride	ug/L	50	44.9	90	69-130	
Xylene (Total)	ug/L	150	158	105	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 650154 650155

Parameter	Units	92100524015 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	40.3	39.1	81	78	70-166	3	30	
Benzene	ug/L	ND	50	50	41.7	40.2	83	80	70-148	4	30	
Chlorobenzene	ug/L	ND	50	50	61.4	60.7	123	121	70-146	1	30	
Toluene	ug/L	ND	50	50	50.6	49.6	101	99	70-155	2	30	
Trichloroethene	ug/L	ND	50	50	48.8	47.7	98	95	69-151	2	30	
1,2-Dichloroethane-d4 (S)	%						118	116	70-130			
4-Bromofluorobenzene (S)	%						94	94	70-130			
Dibromofluoromethane (S)	%						107	108	70-130			
Toluene-d8 (S)	%						93	92	70-130			

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QUALIFIERS

Project: WAYNE MSWLF - SW'S
Pace Project No.: 92100654

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.

SG - Silica Gel - Clean-Up

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

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

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LABORATORIES

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

ANALYTE QUALIFIERS

F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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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

1475544

Section A Required Client Information:

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

Section B Required Project Information:

Report To: jpfull@mesco.com
Copy To: mgeiman@mesco.com
Purchase Order No.:
Project Name: Wayne MSWLF - SWbs
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Kevin G
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	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: VOCs-Agg I	Analysis Test: Metals-Agg I	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SW-1	WT	G			8/16/11	1:30		4			1	3					J	J	N	92100654
2	SW-2	|	|			↓	1:15		|			|	|					|	|		001
3	SW-3	|	|			↓	12:20		|			|	|					|	|		002
4																						003
5																					
6																					
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10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
SW-1 (Shared) Downstream	[signature] MESCO	8/17/11	940	[signature] Pace	8/17/11	940	
SW-2 (Shared) Midstream	[signature] Pace	8/17/11	1455	[signature]	8/17/11	14:55	2.7 yes no yes
SW-3 (Shared)							

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Fully

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8/16/11

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

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

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: July 29, 2011 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.05**	Issuing Authority: Pace Huntersville Quality Office

Client Name: Municipal Project # 92100654

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden

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

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

Optional
Proj. Due Date:
Proj. Name:

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

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

Temp Correction Factor Add / Subtract _____ °C

Corrected Cooler Temp.: 2.7 °C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: amm - 8/17/11

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: JY **Date:** 8/17/11 **SRF Review:** JY **Date:** 8/18/11

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

September 07, 2011

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

RE: Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on August 18, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Report revised September 7, 2011 to increase EPA 8081 standard reporting limits to meet those of the NC SWSL; per client request.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Ms. Maddie German, Municipal Engineering Services

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CERTIFICATIONS

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Wyoming Certification: FL NELAC Reciprocity

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE SUMMARY

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92100738001	**EB**	Water	08/17/11 00:00	08/18/11 13:25
92100738002	**FB**	Water	08/17/11 00:00	08/18/11 13:25
92100738003	**TB**	Water	08/17/11 00:00	08/18/11 13:25

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SAMPLE ANALYTE COUNT

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92100738001	**EB**	EPA 8081	CAH	21	PASI-C
		EPA 8151	LJM	5	PASI-O
		EPA 6010	SHB	16	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8270	BPJ	111	PASI-C
		EPA 8260	MCK	68	PASI-C
		SM 4500-S2D	AES	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
92100738002	**FB**	EPA 6010	SHB	16	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	68	PASI-C
92100738003	**TB**	EPA 8260	MCK	68	PASI-C

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ANALYTICAL RESULTS

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

Sample: EB **Lab ID: 92100738001** Collected: 08/17/11 00:00 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:00	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:00	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:00	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:00	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:00	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	0.20	1	08/23/11 16:00	08/25/11 19:00	57-74-9	
4,4'-DDD	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:00	72-54-8	
4,4'-DDE	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:00	72-55-9	
4,4'-DDT	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:00	50-29-3	
Dieldrin	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 19:00	60-57-1	
Endosulfan I	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:00	959-98-8	
Endosulfan II	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:00	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:00	1031-07-8	
Endrin	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:00	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	0.050	1	08/23/11 16:00	08/25/11 19:00	7421-93-4	
Heptachlor	ND	ug/L	0.050	0.050	1	08/23/11 16:00	08/25/11 19:00	76-44-8	
Heptachlor epoxide	ND	ug/L	0.075	0.050	1	08/23/11 16:00	08/25/11 19:00	1024-57-3	
Methoxychlor	ND	ug/L	1.0	0.15	1	08/23/11 16:00	08/25/11 19:00	72-43-5	
Toxaphene	ND	ug/L	1.5	0.20	1	08/23/11 16:00	08/25/11 19:00	8001-35-2	
Tetrachloro-m-xylene (S)	79	%	20-130		1	08/23/11 16:00	08/25/11 19:00	877-09-8	
Decachlorobiphenyl (S)	79	%	20-130		1	08/23/11 16:00	08/25/11 19:00	2051-24-3	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151								
2,4-D	ND	ug/L	2.0	0.22	1	08/23/11 16:00	08/30/11 05:47	94-75-7	
Dinoseb	ND	ug/L	1.0	0.057	1	08/23/11 16:00	08/30/11 05:47	88-85-7	
2,4,5-T	ND	ug/L	2.0	0.042	1	08/23/11 16:00	08/30/11 05:47	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	2.0	0.049	1	08/23/11 16:00	08/30/11 05:47	93-72-1	
2,4-DCPA (S)	108	%	65.5-125.7		1	08/23/11 16:00	08/30/11 05:47	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	5.0	1	08/24/11 12:20	08/26/11 05:19	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:19	7440-38-2	
Barium	ND	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 05:19	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 05:19	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 05:19	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:19	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:19	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:19	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:19	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	08/24/11 12:20	08/26/11 05:19	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 05:19	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:19	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	08/24/11 12:20	08/26/11 19:27	7440-28-0	
Tin	ND	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 05:19	7440-31-5	
Vanadium	ND	ug/L	25.0	5.0	1	08/24/11 12:20	08/26/11 05:19	7440-62-2	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

Sample: EB **Lab ID: 92100738001** Collected: 08/17/11 00:00 Received: 08/18/11 13:25 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						
Zinc	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 05:19	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.10	1	08/24/11 12:50	08/26/11 14:21	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270		Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	10.0	0.25	1	08/23/11 16:45	08/26/11 17:03	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 17:03	208-96-8	
Acetophenone	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 17:03	98-86-2	
2-Acetylaminofluorene	ND	ug/L	20.0	5.8	1	08/23/11 16:45	08/26/11 17:03	53-96-3	
4-Aminobiphenyl	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 17:03	92-67-1	
Anthracene	ND	ug/L	10.0	0.14	1	08/23/11 16:45	08/26/11 17:03	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.33	1	08/23/11 16:45	08/26/11 17:03	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.30	1	08/23/11 16:45	08/26/11 17:03	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 17:03	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.38	1	08/23/11 16:45	08/26/11 17:03	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.43	1	08/23/11 16:45	08/26/11 17:03	207-08-9	
Benzyl alcohol	ND	ug/L	20.0	2.4	1	08/23/11 16:45	08/26/11 17:03	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	08/23/11 16:45	08/26/11 17:03	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	08/23/11 16:45	08/26/11 17:03	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	08/23/11 16:45	08/26/11 17:03	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	08/23/11 16:45	08/26/11 17:03	106-47-8	
Chlorobenzilate	ND	ug/L	10.0	4.5	1	08/23/11 16:45	08/26/11 17:03	510-15-6	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 17:03	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 17:03	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.95	1	08/23/11 16:45	08/26/11 17:03	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 17:03	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 17:03	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	08/23/11 16:45	08/26/11 17:03	7005-72-3	
Chrysene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 17:03	218-01-9	
Diallate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 17:03	2303-16-4	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.55	1	08/23/11 16:45	08/26/11 17:03	53-70-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 17:03	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 17:03	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	08/23/11 16:45	08/26/11 17:03	120-83-2	
2,6-Dichlorophenol	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 17:03	87-65-0	
Diethylphthalate	ND	ug/L	10.0	0.58	1	08/23/11 16:45	08/26/11 17:03	84-66-2	
Dimethoate	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 17:03	60-51-5	
P-Dimethylaminoazobenzene	ND	ug/L	5.0	2.7	1	08/23/11 16:45	08/26/11 17:03	60-11-7	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 17:03	57-97-6	
3,3'-Dimethylbenzidine	ND	ug/L	10.0	9.6	1	08/23/11 16:45	08/26/11 17:03	119-93-7	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 17:03	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	08/23/11 16:45	08/26/11 17:03	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	08/23/11 16:45	08/26/11 17:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	2.6	1	08/23/11 16:45	08/26/11 17:03	534-52-1	
1,3-Dinitrobenzene	ND	ug/L	20.0	5.1	1	08/23/11 16:45	08/26/11 17:03	99-65-0	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

Sample: EB **Lab ID: 92100738001** Collected: 08/17/11 00:00 Received: 08/18/11 13:25 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								
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	08/23/11 16:45	08/26/11 17:03	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	08/23/11 16:45	08/26/11 17:03	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	08/23/11 16:45	08/26/11 17:03	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	08/23/11 16:45	08/26/11 17:03	117-84-0	
Diphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 17:03	122-39-4	
Disulfoton	ND	ug/L	10.0	5.5	1	08/23/11 16:45	08/26/11 17:03	298-04-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	15.0	0.79	1	08/23/11 16:45	08/26/11 17:03	117-81-7	
Ethyl methanesulfonate	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 17:03	62-50-0	
Famphur	ND	ug/L	10.0	3.7	1	08/23/11 16:45	08/26/11 17:03	52-85-7	
Fluoranthene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 17:03	206-44-0	
Fluorene	ND	ug/L	10.0	0.21	1	08/23/11 16:45	08/26/11 17:03	86-73-7	
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	08/23/11 16:45	08/26/11 17:03	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	08/23/11 16:45	08/26/11 17:03	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 17:03	67-72-1	
Hexachloropropene	ND	ug/L	10.0	3.2	1	08/23/11 16:45	08/26/11 17:03	1888-71-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.29	1	08/23/11 16:45	08/26/11 17:03	193-39-5	
Isodrin	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 17:03	465-73-6	
Isophorone	ND	ug/L	10.0	0.89	1	08/23/11 16:45	08/26/11 17:03	78-59-1	
Isosafrole	ND	ug/L	10.0	4.4	1	08/23/11 16:45	08/26/11 17:03	120-58-1	
Kepone	ND	ug/L	10.0	8.3	1	08/23/11 16:45	08/26/11 17:03	143-50-0	
Methapyrilene	ND	ug/L	100	5.8	1	08/23/11 16:45	08/26/11 17:03	91-80-5	
3-Methylcholanthrene	ND	ug/L	10.0	2.6	1	08/23/11 16:45	08/26/11 17:03	56-49-5	
Methyl methanesulfonate	ND	ug/L	5.0	3.7	1	08/23/11 16:45	08/26/11 17:03	66-27-3	
2-Methylnaphthalene	ND	ug/L	10.0	0.28	1	08/23/11 16:45	08/26/11 17:03	91-57-6	
Methyl parathion	ND	ug/L	10.0	4.9	1	08/23/11 16:45	08/26/11 17:03	298-00-0	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	08/23/11 16:45	08/26/11 17:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	08/23/11 16:45	08/26/11 17:03		
2-Naphthalenamine	ND	ug/L	5.0	3.0	1	08/23/11 16:45	08/26/11 17:03	91-59-8	
1-Naphthaleneamine	ND	ug/L	5.0	4.1	1	08/23/11 16:45	08/26/11 17:03	134-32-7	
1,4-Naphthoquinone	ND	ug/L	5.0	3.3	1	08/23/11 16:45	08/26/11 17:03	130-15-4	
2-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 17:03	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	08/23/11 16:45	08/26/11 17:03	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	08/23/11 16:45	08/26/11 17:03	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	08/23/11 16:45	08/26/11 17:03	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 17:03	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	4.1	1	08/23/11 16:45	08/26/11 17:03	100-02-7	
5-Nitro-o-toluidine	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 17:03	99-55-8	
N-Nitrosodiethylamine	ND	ug/L	20.0	5.6	1	08/23/11 16:45	08/26/11 17:03	55-18-5	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.91	1	08/23/11 16:45	08/26/11 17:03	62-75-9	
N-Nitroso-di-n-butylamine	ND	ug/L	10.0	7.5	1	08/23/11 16:45	08/26/11 17:03	924-16-3	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	08/23/11 16:45	08/26/11 17:03	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	08/23/11 16:45	08/26/11 17:03	86-30-6	
N-Nitrosomethylethylamine	ND	ug/L	10.0	4.7	1	08/23/11 16:45	08/26/11 17:03	10595-95-6	
N-Nitrosopiperidine	ND	ug/L	20.0	5.7	1	08/23/11 16:45	08/26/11 17:03	100-75-4	
N-Nitrosopyrrolidine	ND	ug/L	10.0	6.9	1	08/23/11 16:45	08/26/11 17:03	930-55-2	
O,O,O-Triethylphosphorothioate	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 17:03	126-68-1	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

Sample: EB **Lab ID: 92100738001** Collected: 08/17/11 00:00 Received: 08/18/11 13:25 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								
Parathion (Ethyl parathion)	ND	ug/L	10.0	5.1	1	08/23/11 16:45	08/26/11 17:03	56-38-2	
Pentachlorobenzene	ND	ug/L	10.0	4.3	1	08/23/11 16:45	08/26/11 17:03	608-93-5	
Pentachloronitrobenzene	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 17:03	82-68-8	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	08/23/11 16:45	08/26/11 17:03	87-86-5	
Phenacetin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 17:03	62-44-2	
Phenanthrene	ND	ug/L	10.0	0.22	1	08/23/11 16:45	08/26/11 17:03	85-01-8	
Phenol	ND	ug/L	10.0	1.9	1	08/23/11 16:45	08/26/11 17:03	108-95-2	
p-Phenylenediamine	ND	ug/L	10.0	6.7	1	08/23/11 16:45	08/26/11 17:03	106-50-3	
Phorate	ND	ug/L	10.0	5.4	1	08/23/11 16:45	08/26/11 17:03	298-02-2	
Pronamide	ND	ug/L	10.0	5.8	1	08/23/11 16:45	08/26/11 17:03	23950-58-5	
Pyrene	ND	ug/L	10.0	0.19	1	08/23/11 16:45	08/26/11 17:03	129-00-0	
Safrole	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 17:03	94-59-7	
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	4.0	1	08/23/11 16:45	08/26/11 17:03	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1.2	1	08/23/11 16:45	08/26/11 17:03	58-90-2	
Thionazin	ND	ug/L	20.0	4.8	1	08/23/11 16:45	08/26/11 17:03	297-97-2	
O-Toluidine	ND	ug/L	10.0	5.7	1	08/23/11 16:45	08/26/11 17:03	95-53-4	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	08/23/11 16:45	08/26/11 17:03	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	08/23/11 16:45	08/26/11 17:03	88-06-2	
1,3,5-Trinitrobenzene	ND	ug/L	10.0	5.2	1	08/23/11 16:45	08/26/11 17:03	99-35-4	
Nitrobenzene-d5 (S)	52	%	21-110		1	08/23/11 16:45	08/26/11 17:03	4165-60-0	
2-Fluorobiphenyl (S)	54	%	27-110		1	08/23/11 16:45	08/26/11 17:03	321-60-8	
Terphenyl-d14 (S)	63	%	31-107		1	08/23/11 16:45	08/26/11 17:03	1718-51-0	
Phenol-d6 (S)	19	%	10-110		1	08/23/11 16:45	08/26/11 17:03	13127-88-3	
2-Fluorophenol (S)	31	%	12-110		1	08/23/11 16:45	08/26/11 17:03	367-12-4	
2,4,6-Tribromophenol (S)	61	%	27-110		1	08/23/11 16:45	08/26/11 17:03	118-79-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**5.0J**	ug/L	100	2.2	1		08/19/11 18:44	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/19/11 18:44	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/19/11 18:44	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 18:44	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/19/11 18:44	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		08/19/11 18:44	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 18:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 18:44	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 18:44	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 18:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 18:44	78-93-3	
Carbon disulfide	**12.9J**	ug/L	100	1.2	1		08/19/11 18:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 18:44	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/19/11 18:44	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 18:44	75-00-3	
Chloroform	**0.28J**	ug/L	5.0	0.14	1		08/19/11 18:44	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/19/11 18:44	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/19/11 18:44	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 18:44	96-12-8	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

Sample: EB **Lab ID: 92100738001** Collected: 08/17/11 00:00 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 18:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 18:44	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 18:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/19/11 18:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		08/19/11 18:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 18:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 18:44	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		08/19/11 18:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 18:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 18:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 18:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 18:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 18:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 18:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 18:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/19/11 18:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/19/11 18:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 18:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 18:44	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 18:44	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/19/11 18:44	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/19/11 18:44	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 18:44	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 18:44	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/19/11 18:44	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/19/11 18:44	126-98-7	
Methylene Chloride	**5.2**	ug/L	1.0	0.97	1		08/19/11 18:44	75-09-2	C9
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/19/11 18:44	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 18:44	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		08/19/11 18:44	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/19/11 18:44	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 18:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 18:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 18:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 18:44	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 18:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/19/11 18:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 18:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 18:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 18:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 18:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 18:44	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 18:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 18:44	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 18:44	1330-20-7	
4-Bromofluorobenzene (S)	96	%	70-130		1		08/19/11 18:44	460-00-4	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

Sample: EB **Lab ID: 92100738001** Collected: 08/17/11 00:00 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Dibromofluoromethane (S)	116	%	70-130		1		08/19/11 18:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1		08/19/11 18:44	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		08/19/11 18:44	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	ND	ug/L	1000	100	1		08/23/11 09:45	18496-25-8	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	ug/L	10.0	10.0	1		08/30/11 15:08	57-12-5	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

Sample: FB **Lab ID: 92100738002** Collected: 08/17/11 00:00 Received: 08/18/11 13:25 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						
Antimony	ND	ug/L	6.0	5.0	1	08/24/11 12:20	08/26/11 05:23	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:23	7440-38-2	
Barium	ND	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 05:23	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 05:23	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	08/24/11 12:20	08/26/11 05:23	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:23	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:23	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:23	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:23	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	08/24/11 12:20	08/26/11 05:23	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 05:23	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	08/24/11 12:20	08/26/11 05:23	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	08/24/11 12:20	08/26/11 19:30	7440-28-0	
Tin	ND	ug/L	100	5.0	1	08/24/11 12:20	08/26/11 05:23	7440-31-5	
Vanadium	ND	ug/L	25.0	5.0	1	08/24/11 12:20	08/26/11 05:23	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	08/24/11 12:20	08/26/11 05:23	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.10	1	08/24/11 12:50	08/26/11 14:24	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**4.0J**	ug/L	100	2.2	1		08/19/11 19:09	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/19/11 19:09	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/19/11 19:09	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 19:09	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/19/11 19:09	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		08/19/11 19:09	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 19:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 19:09	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 19:09	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 19:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		08/19/11 19:09	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/19/11 19:09	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 19:09	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/19/11 19:09	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 19:09	75-00-3	
Chloroform	**0.36J**	ug/L	5.0	0.14	1		08/19/11 19:09	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		08/19/11 19:09	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/19/11 19:09	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 19:09	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 19:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 19:09	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 19:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/19/11 19:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		08/19/11 19:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 19:09	106-46-7	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

Sample: FB **Lab ID: 92100738002** Collected: 08/17/11 00:00 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 19:09	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		08/19/11 19:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 19:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 19:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 19:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 19:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 19:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 19:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 19:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/19/11 19:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/19/11 19:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 19:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 19:09	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 19:09	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/19/11 19:09	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/19/11 19:09	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 19:09	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 19:09	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/19/11 19:09	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/19/11 19:09	126-98-7	
Methylene Chloride	**6.3**	ug/L	1.0	0.97	1		08/19/11 19:09	75-09-2	C9
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/19/11 19:09	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 19:09	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		08/19/11 19:09	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/19/11 19:09	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 19:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 19:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 19:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 19:09	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 19:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/19/11 19:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 19:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 19:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 19:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 19:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 19:09	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 19:09	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 19:09	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 19:09	1330-20-7	
4-Bromofluorobenzene (S)	97	%	70-130		1		08/19/11 19:09	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		08/19/11 19:09	1868-53-7	
1,2-Dichloroethane-d4 (S)	119	%	70-130		1		08/19/11 19:09	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		08/19/11 19:09	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

Sample: TB **Lab ID: 92100738003** Collected: 08/17/11 00:00 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**14.1J**	ug/L	100	2.2	1		08/19/11 19:34	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		08/19/11 19:34	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		08/19/11 19:34	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		08/19/11 19:34	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		08/19/11 19:34	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		08/19/11 19:34	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		08/19/11 19:34	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		08/19/11 19:34	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		08/19/11 19:34	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		08/19/11 19:34	74-83-9	
2-Butanone (MEK)	**12.0J**	ug/L	100	0.96	1		08/19/11 19:34	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		08/19/11 19:34	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		08/19/11 19:34	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		08/19/11 19:34	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		08/19/11 19:34	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		08/19/11 19:34	67-66-3	
Chloromethane	**0.14J**	ug/L	1.0	0.11	1		08/19/11 19:34	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		08/19/11 19:34	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		08/19/11 19:34	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		08/19/11 19:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/19/11 19:34	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		08/19/11 19:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		08/19/11 19:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		08/19/11 19:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/19/11 19:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		08/19/11 19:34	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		08/19/11 19:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		08/19/11 19:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		08/19/11 19:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		08/19/11 19:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		08/19/11 19:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		08/19/11 19:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		08/19/11 19:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/19/11 19:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		08/19/11 19:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		08/19/11 19:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		08/19/11 19:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		08/19/11 19:34	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/19/11 19:34	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		08/19/11 19:34	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		08/19/11 19:34	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		08/19/11 19:34	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		08/19/11 19:34	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		08/19/11 19:34	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		08/19/11 19:34	126-98-7	
Methylene Chloride	**6.3**	ug/L	1.0	0.97	1		08/19/11 19:34	75-09-2	C9

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ANALYTICAL RESULTS

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

Sample: TB **Lab ID: 92100738003** Collected: 08/17/11 00:00 Received: 08/18/11 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Methyl methacrylate	ND	ug/L	30.0	2.0	1		08/19/11 19:34	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		08/19/11 19:34	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		08/19/11 19:34	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		08/19/11 19:34	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		08/19/11 19:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		08/19/11 19:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		08/19/11 19:34	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		08/19/11 19:34	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		08/19/11 19:34	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		08/19/11 19:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		08/19/11 19:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		08/19/11 19:34	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		08/19/11 19:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		08/19/11 19:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		08/19/11 19:34	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		08/19/11 19:34	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		08/19/11 19:34	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		08/19/11 19:34	1330-20-7	
4-Bromofluorobenzene (S)	95	%	70-130		1		08/19/11 19:34	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		08/19/11 19:34	1868-53-7	
1,2-Dichloroethane-d4 (S)	123	%	70-130		1		08/19/11 19:34	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		08/19/11 19:34	2037-26-5	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

QC Batch: OEXT/14633
QC Batch Method: EPA 3510
Analysis Method: EPA 8081
Analysis Description: 8081A GCS Pesticides
Associated Lab Samples: 92100738001

METHOD BLANK: 651408
Matrix: Water
Associated Lab Samples: 92100738001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.10	08/25/11 17:15	
4,4'-DDE	ug/L	ND	0.10	08/25/11 17:15	
4,4'-DDT	ug/L	ND	0.10	08/25/11 17:15	
Aldrin	ug/L	ND	0.050	08/25/11 17:15	
alpha-BHC	ug/L	ND	0.050	08/25/11 17:15	
beta-BHC	ug/L	ND	0.050	08/25/11 17:15	
Chlordane (Technical)	ug/L	ND	0.50	08/25/11 17:15	
delta-BHC	ug/L	ND	0.050	08/25/11 17:15	
Dieldrin	ug/L	ND	0.075	08/25/11 17:15	
Endosulfan I	ug/L	ND	0.10	08/25/11 17:15	
Endosulfan II	ug/L	ND	0.10	08/25/11 17:15	
Endosulfan sulfate	ug/L	ND	0.10	08/25/11 17:15	
Endrin	ug/L	ND	0.10	08/25/11 17:15	
Endrin aldehyde	ug/L	ND	0.10	08/25/11 17:15	
gamma-BHC (Lindane)	ug/L	ND	0.050	08/25/11 17:15	
Heptachlor	ug/L	ND	0.050	08/25/11 17:15	
Heptachlor epoxide	ug/L	ND	0.075	08/25/11 17:15	
Methoxychlor	ug/L	ND	1.0	08/25/11 17:15	
Toxaphene	ug/L	ND	1.5	08/25/11 17:15	
Decachlorobiphenyl (S)	%	105	20-130	08/25/11 17:15	
Tetrachloro-m-xylene (S)	%	81	20-130	08/25/11 17:15	

LABORATORY CONTROL SAMPLE: 651409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.25	0.17	68	20-150	
4,4'-DDE	ug/L	.25	0.14	58	20-150	
4,4'-DDT	ug/L	.25	0.16	66	20-150	
Aldrin	ug/L	.25	0.17	67	20-150	
alpha-BHC	ug/L	.25	0.18	74	20-150	
beta-BHC	ug/L	.25	0.18	75	20-150	
delta-BHC	ug/L	.25	0.18	72	20-150	
Dieldrin	ug/L	.25	0.15	62	20-150	
Endosulfan I	ug/L	.25	0.19	78	20-150	
Endosulfan II	ug/L	.25	0.23	92	20-150	
Endosulfan sulfate	ug/L	.25	0.24	96	20-150	
Endrin	ug/L	.25	0.16	65	20-150	
Endrin aldehyde	ug/L	.25	0.16	65	20-150	
gamma-BHC (Lindane)	ug/L	.25	0.19	75	20-150	
Heptachlor	ug/L	.25	0.18	71	20-150	
Heptachlor epoxide	ug/L	.25	0.18	73	20-150	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

LABORATORY CONTROL SAMPLE: 651409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methoxychlor	ug/L	.74	0.67J	90	20-150	
Decachlorobiphenyl (S)	%			94	20-130	
Tetrachloro-m-xylene (S)	%			66	20-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 651410 651411

Parameter	Units	92100658007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/L	ND	.25	.25	0.21	0.21	83	85		2		
4,4'-DDE	ug/L	ND	.25	.25	0.18	0.19	72	76		5		
4,4'-DDT	ug/L	ND	.25	.25	0.21	0.21	84	87	20-150	4	30	
Aldrin	ug/L	ND	.25	.25	0.21	0.22	84	90	20-150	8	30	
alpha-BHC	ug/L	ND	.25	.25	0.21	0.23	86	94		9		
beta-BHC	ug/L	ND	.25	.25	0.21	0.23	87	93		7		
delta-BHC	ug/L	ND	.25	.25	0.21	0.23	85	93		9		
Dieldrin	ug/L	ND	.25	.25	0.18	0.19	73	79	20-150	7	30	
Endosulfan I	ug/L	ND	.25	.25	0.23	0.24	92	98		7		
Endosulfan II	ug/L	ND	.25	.25	0.26	0.27	105	109		4		
Endosulfan sulfate	ug/L	ND	.25	.25	0.27	0.28	111	114		3		
Endrin	ug/L	ND	.25	.25	0.20	0.22	81	88	20-150	8	30	
Endrin aldehyde	ug/L	ND	.25	.25	0.20	0.21	81	83		3		
gamma-BHC (Lindane)	ug/L	ND	.25	.25	0.22	0.24	88	96	20-150	9	30	
Heptachlor	ug/L	ND	.25	.25	0.23	0.25	92	100	20-150	9	30	
Heptachlor epoxide	ug/L	ND	.25	.25	0.21	0.23	85	92		8		
Methoxychlor	ug/L	ND	.74	.74	0.81J	0.82J	109	110		1		
Decachlorobiphenyl (S)	%						83	88	20-130			
Tetrachloro-m-xylene (S)	%						76	82	20-130			

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

QC Batch: GCSV/5485
QC Batch Method: EPA 8151
Analysis Method: EPA 8151
Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 92100738001

METHOD BLANK: 241336
Matrix: Water
Associated Lab Samples: 92100738001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	ND	2.0	08/30/11 00:38	
2,4,5-TP (Silvex)	ug/L	ND	2.0	08/30/11 00:38	
2,4-D	ug/L	ND	2.0	08/30/11 00:38	
Dinoseb	ug/L	ND	1.0	08/30/11 00:38	
2,4-DCPA (S)	%	109	65.5-125.7	08/30/11 00:38	

LABORATORY CONTROL SAMPLE: 241337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	1.2	1.4J	114	66.7-116.7	
2,4,5-TP (Silvex)	ug/L	1.2	1.5J	125	65.6-127.9	
2,4-D	ug/L	6	7.6	127	62-135.6	
Dinoseb	ug/L	1.2	1.2	101	44-111.8	
2,4-DCPA (S)	%			115	65.5-125.7	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 241600 241601

Parameter	Units	92100658001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,5-T	ug/L				2.6J	3.0J				16	40	
2,4,5-TP (Silvex)	ug/L	ND	2.4		3.2J	3.1J	132		65.6-127			M1
2,4-D	ug/L	ND	12	12	14.0	14.9	117	124	62-135.6	6	40	
Dinoseb	ug/L				2.6	2.8				8	40	
2,4-DCPA (S)	%						120	125	65.5-125			

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

QC Batch: MPRP/8952
Analysis Method: EPA 6010
QC Batch Method: EPA 3010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92100738001, 92100738002

METHOD BLANK: 651159
Matrix: Water
Associated Lab Samples: 92100738001, 92100738002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	08/26/11 03:53	
Arsenic	ug/L	ND	10.0	08/26/11 03:53	
Barium	ug/L	ND	100	08/26/11 03:53	
Beryllium	ug/L	ND	1.0	08/26/11 03:53	
Cadmium	ug/L	ND	1.0	08/26/11 03:53	
Chromium	ug/L	ND	10.0	08/26/11 03:53	
Cobalt	ug/L	ND	10.0	08/26/11 03:53	
Copper	ug/L	ND	10.0	08/26/11 03:53	
Lead	ug/L	ND	10.0	08/26/11 03:53	
Nickel	ug/L	ND	50.0	08/26/11 03:53	
Selenium	ug/L	ND	10.0	08/26/11 03:53	
Silver	ug/L	ND	10.0	08/26/11 03:53	
Thallium	ug/L	ND	5.5	08/26/11 03:53	
Tin	ug/L	ND	100	08/26/11 03:53	
Vanadium	ug/L	ND	25.0	08/26/11 03:53	
Zinc	ug/L	ND	10.0	08/26/11 03:53	

LABORATORY CONTROL SAMPLE: 651160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	481	96	80-120	
Arsenic	ug/L	500	490	98	80-120	
Barium	ug/L	500	480	96	80-120	
Beryllium	ug/L	500	516	103	80-120	
Cadmium	ug/L	500	510	102	80-120	
Chromium	ug/L	500	517	103	80-120	
Cobalt	ug/L	500	502	100	80-120	
Copper	ug/L	500	470	94	80-120	
Lead	ug/L	500	503	101	80-120	
Nickel	ug/L	500	507	101	80-120	
Selenium	ug/L	500	489	98	80-120	
Silver	ug/L	250	257	103	80-120	
Thallium	ug/L	500	456	91	80-120	
Tin	ug/L	500	510	102	80-120	
Vanadium	ug/L	500	490	98	80-120	
Zinc	ug/L	500	525	105	80-120	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

MATRIX SPIKE SAMPLE: 651161

Parameter	Units	92100524012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	539	108	75-125	
Arsenic	ug/L	56.0	500	628	114	75-125	
Barium	ug/L	355	500	776	84	75-125	
Beryllium	ug/L	ND	500	459	92	75-125	
Cadmium	ug/L	ND	500	443	89	75-125	
Chromium	ug/L	59.6	500	532	94	75-125	
Cobalt	ug/L	9.1J	500	442	87	75-125	
Copper	ug/L	ND	500	543	108	75-125	
Lead	ug/L	ND	500	404	81	75-125	
Nickel	ug/L	62.2	500	489	85	75-125	
Selenium	ug/L	ND	500	549	110	75-125	
Silver	ug/L	ND	250	315	125	75-125	
Thallium	ug/L	ND	500	340	68	75-125	M1
Tin	ug/L	11.1J	500	469	92	75-125	
Vanadium	ug/L	12.8J	500	476	93	75-125	
Zinc	ug/L	89.1	500	666	115	75-125	

SAMPLE DUPLICATE: 651162

Parameter	Units	92100654001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	ND	ND		25	
Barium	ug/L	65.0J	63.8J	2	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	ND	ND		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	ND	ND		25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	ND	ND		25	
Thallium	ug/L	ND	ND		25	
Tin	ug/L	ND	ND		25	
Vanadium	ug/L	ND	ND		25	
Zinc	ug/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

QC Batch: MERP/3704 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Associated Lab Samples: 92100738001, 92100738002

METHOD BLANK: 651745 | Matrix: Water
Associated Lab Samples: 92100738001, 92100738002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/26/11 13:18	

LABORATORY CONTROL SAMPLE: 651746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.1	83	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 651747 651748

Parameter	Units	92100586020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.3	2.2	89	87	75-125	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 651749 651750

Parameter	Units	92100586021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.62	2.5	2.5	2.9	2.7	92	83	75-125	8	25	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

QC Batch: OEXT/14636
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 Water MSSV
Associated Lab Samples: 92100738001

METHOD BLANK: 651460
Matrix: Water
Associated Lab Samples: 92100738001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	ND	10.0	08/26/11 11:20	
1,3,5-Trinitrobenzene	ug/L	ND	10.0	08/26/11 11:20	
1,3-Dinitrobenzene	ug/L	ND	20.0	08/26/11 11:20	
1,4-Naphthoquinone	ug/L	ND	5.0	08/26/11 11:20	
1-Naphthaleneamine	ug/L	ND	5.0	08/26/11 11:20	
2,3,4,6-Tetrachlorophenol	ug/L	ND	10.0	08/26/11 11:20	
2,4,5-Trichlorophenol	ug/L	ND	10.0	08/26/11 11:20	
2,4,6-Trichlorophenol	ug/L	ND	10.0	08/26/11 11:20	
2,4-Dichlorophenol	ug/L	ND	10.0	08/26/11 11:20	
2,4-Dimethylphenol	ug/L	ND	10.0	08/26/11 11:20	
2,4-Dinitrophenol	ug/L	ND	50.0	08/26/11 11:20	
2,4-Dinitrotoluene	ug/L	ND	10.0	08/26/11 11:20	
2,6-Dichlorophenol	ug/L	ND	10.0	08/26/11 11:20	
2,6-Dinitrotoluene	ug/L	ND	10.0	08/26/11 11:20	
2-Acetylaminofluorene	ug/L	ND	20.0	08/26/11 11:20	
2-Chloronaphthalene	ug/L	ND	10.0	08/26/11 11:20	
2-Chlorophenol	ug/L	ND	10.0	08/26/11 11:20	
2-Methylnaphthalene	ug/L	ND	10.0	08/26/11 11:20	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	08/26/11 11:20	
2-Naphthalenamine	ug/L	ND	5.0	08/26/11 11:20	
2-Nitroaniline	ug/L	ND	50.0	08/26/11 11:20	
2-Nitrophenol	ug/L	ND	10.0	08/26/11 11:20	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	08/26/11 11:20	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	08/26/11 11:20	
3,3'-Dimethylbenzidine	ug/L	ND	10.0	08/26/11 11:20	
3-Methylcholanthrene	ug/L	ND	10.0	08/26/11 11:20	
3-Nitroaniline	ug/L	ND	50.0	08/26/11 11:20	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	08/26/11 11:20	
4-Aminobiphenyl	ug/L	ND	10.0	08/26/11 11:20	
4-Bromophenylphenyl ether	ug/L	ND	10.0	08/26/11 11:20	
4-Chloro-3-methylphenol	ug/L	ND	20.0	08/26/11 11:20	
4-Chloroaniline	ug/L	ND	20.0	08/26/11 11:20	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	08/26/11 11:20	
4-Nitroaniline	ug/L	ND	20.0	08/26/11 11:20	
4-Nitrophenol	ug/L	ND	50.0	08/26/11 11:20	
5-Nitro-o-toluidine	ug/L	ND	10.0	08/26/11 11:20	
7,12-Dimethylbenz(a)anthracene	ug/L	ND	10.0	08/26/11 11:20	
Acenaphthene	ug/L	ND	10.0	08/26/11 11:20	
Acenaphthylene	ug/L	ND	10.0	08/26/11 11:20	
Acetophenone	ug/L	ND	10.0	08/26/11 11:20	
Anthracene	ug/L	ND	10.0	08/26/11 11:20	
Benzo(a)anthracene	ug/L	ND	10.0	08/26/11 11:20	
Benzo(a)pyrene	ug/L	ND	10.0	08/26/11 11:20	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

METHOD BLANK: 651460 Matrix: Water

Associated Lab Samples: 92100738001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzo(b)fluoranthene	ug/L	ND	10.0	08/26/11 11:20	
Benzo(g,h,i)perylene	ug/L	ND	10.0	08/26/11 11:20	
Benzo(k)fluoranthene	ug/L	ND	10.0	08/26/11 11:20	
Benzyl alcohol	ug/L	ND	20.0	08/26/11 11:20	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	08/26/11 11:20	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	08/26/11 11:20	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	08/26/11 11:20	
bis(2-Ethylhexyl)phthalate	ug/L	ND	15.0	08/26/11 11:20	
Butylbenzylphthalate	ug/L	ND	10.0	08/26/11 11:20	
Chlorobenzilate	ug/L	ND	10.0	08/26/11 11:20	
Chrysene	ug/L	ND	10.0	08/26/11 11:20	
Di-n-butylphthalate	ug/L	ND	10.0	08/26/11 11:20	
Di-n-octylphthalate	ug/L	ND	10.0	08/26/11 11:20	
Diallate	ug/L	ND	10.0	08/26/11 11:20	
Dibenz(a,h)anthracene	ug/L	ND	10.0	08/26/11 11:20	
Dibenzofuran	ug/L	ND	10.0	08/26/11 11:20	
Diethylphthalate	ug/L	ND	10.0	08/26/11 11:20	
Dimethoate	ug/L	ND	10.0	08/26/11 11:20	
Dimethylphthalate	ug/L	ND	10.0	08/26/11 11:20	
Diphenylamine	ug/L	ND	10.0	08/26/11 11:20	
Disulfoton	ug/L	ND	10.0	08/26/11 11:20	
Ethyl methanesulfonate	ug/L	ND	20.0	08/26/11 11:20	
Famphur	ug/L	ND	10.0	08/26/11 11:20	
Fluoranthene	ug/L	ND	10.0	08/26/11 11:20	
Fluorene	ug/L	ND	10.0	08/26/11 11:20	
Hexachlorobenzene	ug/L	ND	10.0	08/26/11 11:20	
Hexachlorocyclopentadiene	ug/L	ND	10.0	08/26/11 11:20	
Hexachloroethane	ug/L	ND	10.0	08/26/11 11:20	
Hexachloropropene	ug/L	ND	10.0	08/26/11 11:20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	08/26/11 11:20	
Isodrin	ug/L	ND	20.0	08/26/11 11:20	
Isophorone	ug/L	ND	10.0	08/26/11 11:20	
Isosafrole	ug/L	ND	10.0	08/26/11 11:20	
Kepone	ug/L	ND	10.0	08/26/11 11:20	
Methapyrilene	ug/L	ND	100	08/26/11 11:20	
Methyl methanesulfonate	ug/L	ND	5.0	08/26/11 11:20	
Methyl parathion	ug/L	ND	10.0	08/26/11 11:20	
N-Nitroso-di-n-butylamine	ug/L	ND	10.0	08/26/11 11:20	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	08/26/11 11:20	
N-Nitrosodiethylamine	ug/L	ND	20.0	08/26/11 11:20	
N-Nitrosodimethylamine	ug/L	ND	10.0	08/26/11 11:20	
N-Nitrosodiphenylamine	ug/L	ND	10.0	08/26/11 11:20	
N-Nitrosomethylethylamine	ug/L	ND	10.0	08/26/11 11:20	
N-Nitrosopiperidine	ug/L	ND	20.0	08/26/11 11:20	
N-Nitrosopyrrolidine	ug/L	ND	10.0	08/26/11 11:20	
Nitrobenzene	ug/L	ND	10.0	08/26/11 11:20	
O,O,O-Triethylphosphorothioate	ug/L	ND	10.0	08/26/11 11:20	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

METHOD BLANK: 651460 Matrix: Water

Associated Lab Samples: 92100738001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
O-Toluidine	ug/L	ND	10.0	08/26/11 11:20	
P-Dimethylaminoazobenzene	ug/L	ND	5.0	08/26/11 11:20	
p-Phenylenediamine	ug/L	ND	10.0	08/26/11 11:20	
Parathion (Ethyl parathion)	ug/L	ND	10.0	08/26/11 11:20	
Pentachlorobenzene	ug/L	ND	10.0	08/26/11 11:20	
Pentachloronitrobenzene	ug/L	ND	20.0	08/26/11 11:20	
Pentachlorophenol	ug/L	ND	25.0	08/26/11 11:20	
Phenacetin	ug/L	ND	20.0	08/26/11 11:20	
Phenanthrene	ug/L	ND	10.0	08/26/11 11:20	
Phenol	ug/L	ND	10.0	08/26/11 11:20	
Phorate	ug/L	ND	10.0	08/26/11 11:20	
Pronamide	ug/L	ND	10.0	08/26/11 11:20	
Pyrene	ug/L	ND	10.0	08/26/11 11:20	
Safrole	ug/L	ND	10.0	08/26/11 11:20	
Thionazin	ug/L	ND	20.0	08/26/11 11:20	
2,4,6-Tribromophenol (S)	%	69	27-110	08/26/11 11:20	
2-Fluorobiphenyl (S)	%	60	27-110	08/26/11 11:20	
2-Fluorophenol (S)	%	37	12-110	08/26/11 11:20	
Nitrobenzene-d5 (S)	%	61	21-110	08/26/11 11:20	
Phenol-d6 (S)	%	26	10-110	08/26/11 11:20	
Terphenyl-d14 (S)	%	72	31-107	08/26/11 11:20	

LABORATORY CONTROL SAMPLE: 651461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	50	35.1	70	17-115	
1,3,5-Trinitrobenzene	ug/L	50	47.0	94	17-115	
1,3-Dinitrobenzene	ug/L	50	34.3	69	17-115	
1,4-Naphthoquinone	ug/L	50	35.3	71	17-115	
1-Naphthaleneamine	ug/L	50	36.7	73	17-115	
2,3,4,6-Tetrachlorophenol	ug/L	50	54.6	109	17-115	
2,4,5-Trichlorophenol	ug/L	50	30.9	62	23-116	
2,4,6-Trichlorophenol	ug/L	50	35.8	72	21-114	
2,4-Dichlorophenol	ug/L	50	30.7	61	22-120	
2,4-Dimethylphenol	ug/L	50	27.7	55	15-109	
2,4-Dinitrophenol	ug/L	250	117	47	10-103	
2,4-Dinitrotoluene	ug/L	50	35.0	70	24-119	
2,6-Dichlorophenol	ug/L	50	42.5	85	17-115	
2,6-Dinitrotoluene	ug/L	50	35.3	71	25-116	
2-Acetylaminofluorene	ug/L	50	41.7	83	17-115	
2-Chloronaphthalene	ug/L	50	37.2	74	18-110	
2-Chlorophenol	ug/L	50	32.9	66	10-104	
2-Methylnaphthalene	ug/L	50	26.4	53	16-110	
2-Methylphenol(o-Cresol)	ug/L	50	27.4	55	13-110	
2-Naphthalenamine	ug/L	50	36.6	73	17-115	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

LABORATORY CONTROL SAMPLE: 651461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitroaniline	ug/L	100	69.6	70	20-117	
2-Nitrophenol	ug/L	50	26.7	53	16-108	
3&4-Methylphenol(m&p Cresol)	ug/L	50	25.3	51	14-110	
3,3'-Dichlorobenzidine	ug/L	250	66.3	27	13-131	
3,3'-Dimethylbenzidine	ug/L	100	74.8	75	17-115	
3-Methylcholanthrene	ug/L	50	39.7	79	17-115	
3-Nitroaniline	ug/L	100	65.5	66	15-117	
4,6-Dinitro-2-methylphenol	ug/L	100	63.4	63	13-119	
4-Aminobiphenyl	ug/L	50	30.5	61	17-115	
4-Bromophenylphenyl ether	ug/L	50	35.2	70	23-120	
4-Chloro-3-methylphenol	ug/L	100	58.5	59	21-119	
4-Chloroaniline	ug/L	100	55.8	56	10-122	
4-Chlorophenylphenyl ether	ug/L	50	34.5	69	22-112	
4-Nitroaniline	ug/L	100	63.8	64	14-118	
4-Nitrophenol	ug/L	250	75.4	30	10-110	
5-Nitro-o-toluidine	ug/L	50	40.0	80	17-115	
7,12-Dimethylbenz(a)anthracene	ug/L	50	40.3	81	50-150	
Acenaphthene	ug/L	50	33.1	66	20-105	
Acenaphthylene	ug/L	50	32.5	65	23-106	
Acetophenone	ug/L	50	35.0	70	17-115	
Anthracene	ug/L	50	34.7	69	25-120	
Benzo(a)anthracene	ug/L	50	34.6	69	21-128	
Benzo(a)pyrene	ug/L	50	35.1	70	25-116	
Benzo(b)fluoranthene	ug/L	50	35.5	71	23-117	
Benzo(g,h,i)perylene	ug/L	50	37.2	74	17-128	
Benzo(k)fluoranthene	ug/L	50	37.0	74	25-127	
Benzyl alcohol	ug/L	100	62.0	62	10-101	
bis(2-Chloroethoxy)methane	ug/L	50	36.2	72	19-107	
bis(2-Chloroethyl) ether	ug/L	50	33.6	67	10-108	
bis(2-Chloroisopropyl) ether	ug/L	50	34.7	69	10-108	
bis(2-Ethylhexyl)phthalate	ug/L	50	32.7	65	16-123	
Butylbenzylphthalate	ug/L	50	33.2	66	20-118	
Chlorobenzilate	ug/L	50	36.2	72	17-115	
Chrysene	ug/L	50	35.3	71	24-125	
Di-n-butylphthalate	ug/L	50	33.1	66	23-115	
Di-n-octylphthalate	ug/L	50	30.4	61	20-115	
Diallate	ug/L	50	42.5	85	17-115	
Dibenz(a,h)anthracene	ug/L	50	35.3	71	18-131	
Dibenzofuran	ug/L	50	33.8	68	23-106	
Diethylphthalate	ug/L	50	32.3	65	24-115	
Dimethoate	ug/L	50	36.5	73	17-115	
Dimethylphthalate	ug/L	50	32.7	65	22-113	
Diphenylamine	ug/L	50	34.1	68	17-115	
Disulfoton	ug/L	50	37.6	75	17-115	
Ethyl methanesulfonate	ug/L	50	42.8	86	17-115	
Famphur	ug/L	100	48.8	49	17-115	
Fluoranthene	ug/L	50	35.1	70	24-125	
Fluorene	ug/L	50	32.9	66	24-114	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

LABORATORY CONTROL SAMPLE: 651461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/L	50	33.3	67	22-127	
Hexachlorocyclopentadiene	ug/L	50	30.3	61	10-110	
Hexachloroethane	ug/L	50	28.5	57	10-110	
Hexachloropropene	ug/L	50	30.1	60	17-115	
Indeno(1,2,3-cd)pyrene	ug/L	50	36.0	72	18-130	
Isodrin	ug/L	50	39.3	79	17-115	
Isophorone	ug/L	50	28.8	58	23-114	
Isosafrole	ug/L	50	35.5	71	17-115	
Kepone	ug/L	100	ND	0	17-115	L2
Methapyrilene	ug/L	50	45.8J	92	17-115	
Methyl methanesulfonate	ug/L	50	31.3	63	17-115	
Methyl parathion	ug/L	50	39.5	79	17-115	
N-Nitroso-di-n-butylamine	ug/L	50	40.8	82	17-115	
N-Nitroso-di-n-propylamine	ug/L	50	37.0	74	21-114	
N-Nitrosodiethylamine	ug/L	50	40.9	82	17-115	
N-Nitrosodimethylamine	ug/L	50	21.0	42	10-110	
N-Nitrosodiphenylamine	ug/L	50	34.1	68	24-123	
N-Nitrosomethylethylamine	ug/L	50	37.1	74	17-115	
N-Nitrosopiperidine	ug/L	50	40.0	80	17-115	
N-Nitrosopyrrolidine	ug/L	50	44.0	88	17-115	
Nitrobenzene	ug/L	50	27.2	54	16-106	
O,O,O-Triethylphosphorothioate	ug/L	50	39.7	79	17-115	
O-Toluidine	ug/L	50	37.9	76	17-115	
P-Dimethylaminoazobenzene	ug/L	100	39.3	39	17-115	
p-Phenylenediamine	ug/L	50	40.4	81	17-115	
Parathion (Ethyl parathion)	ug/L	50	38.8	78	17-115	
Pentachlorobenzene	ug/L	50	36.0	72	17-115	
Pentachloronitrobenzene	ug/L	50	35.4	71	17-115	
Pentachlorophenol	ug/L	250	40.0	16	10-123	
Phenacetin	ug/L	50	35.2	70	17-115	
Phenanthrene	ug/L	50	33.8	68	25-119	
Phenol	ug/L	50	18.6	37	10-110	
Phorate	ug/L	50	47.0	94	17-115	
Pronamide	ug/L	50	41.5	83	17-115	
Pyrene	ug/L	50	33.3	67	22-127	
Safrole	ug/L	50	40.8	82	17-115	
Thionazin	ug/L	50	37.9	76	17-115	
2,4,6-Tribromophenol (S)	%			73	27-110	
2-Fluorobiphenyl (S)	%			68	27-110	
2-Fluorophenol (S)	%			41	12-110	
Nitrobenzene-d5 (S)	%			57	21-110	
Phenol-d6 (S)	%			31	10-110	
Terphenyl-d14 (S)	%			72	31-107	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

QC Batch: MSV/16410 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92100738001, 92100738002, 92100738003

METHOD BLANK: 650152 Matrix: Water
Associated Lab Samples: 92100738001, 92100738002, 92100738003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/19/11 13:38	
1,1,1-Trichloroethane	ug/L	ND	1.0	08/19/11 13:38	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	08/19/11 13:38	
1,1,2-Trichloroethane	ug/L	ND	1.0	08/19/11 13:38	
1,1-Dichloroethane	ug/L	ND	5.0	08/19/11 13:38	
1,1-Dichloroethene	ug/L	ND	5.0	08/19/11 13:38	
1,1-Dichloropropene	ug/L	ND	5.0	08/19/11 13:38	
1,2,3-Trichloropropane	ug/L	ND	1.0	08/19/11 13:38	
1,2,4-Trichlorobenzene	ug/L	ND	10.0	08/19/11 13:38	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	08/19/11 13:38	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	08/19/11 13:38	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/19/11 13:38	
1,2-Dichloroethane	ug/L	ND	1.0	08/19/11 13:38	
1,2-Dichloropropane	ug/L	ND	1.0	08/19/11 13:38	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/19/11 13:38	
1,3-Dichloropropane	ug/L	ND	1.0	08/19/11 13:38	
1,4-Dichlorobenzene	ug/L	ND	1.0	08/19/11 13:38	
2,2-Dichloropropane	ug/L	ND	15.0	08/19/11 13:38	
2-Butanone (MEK)	ug/L	ND	100	08/19/11 13:38	
2-Hexanone	ug/L	ND	50.0	08/19/11 13:38	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	08/19/11 13:38	
Acetone	ug/L	ND	100	08/19/11 13:38	
Acetonitrile	ug/L	ND	55.0	08/19/11 13:38	
Acrolein	ug/L	ND	53.0	08/19/11 13:38	
Acrylonitrile	ug/L	ND	200	08/19/11 13:38	
Allyl chloride	ug/L	ND	10.0	08/19/11 13:38	
Benzene	ug/L	ND	1.0	08/19/11 13:38	
Bromochloromethane	ug/L	ND	3.0	08/19/11 13:38	
Bromodichloromethane	ug/L	ND	1.0	08/19/11 13:38	
Bromoform	ug/L	ND	3.0	08/19/11 13:38	
Bromomethane	ug/L	ND	10.0	08/19/11 13:38	
Carbon disulfide	ug/L	ND	100	08/19/11 13:38	
Carbon tetrachloride	ug/L	ND	1.0	08/19/11 13:38	
Chlorobenzene	ug/L	ND	3.0	08/19/11 13:38	
Chloroethane	ug/L	ND	10.0	08/19/11 13:38	
Chloroform	ug/L	ND	5.0	08/19/11 13:38	
Chloromethane	ug/L	ND	1.0	08/19/11 13:38	
Chloroprene	ug/L	ND	20.0	08/19/11 13:38	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/19/11 13:38	
cis-1,3-Dichloropropene	ug/L	ND	1.0	08/19/11 13:38	
Dibromochloromethane	ug/L	ND	3.0	08/19/11 13:38	
Dibromomethane	ug/L	ND	10.0	08/19/11 13:38	
Dichlorodifluoromethane	ug/L	ND	5.0	08/19/11 13:38	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

METHOD BLANK: 650152 Matrix: Water

Associated Lab Samples: 92100738001, 92100738002, 92100738003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl methacrylate	ug/L	ND	10.0	08/19/11 13:38	
Ethylbenzene	ug/L	ND	1.0	08/19/11 13:38	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	08/19/11 13:38	
Iodomethane	ug/L	ND	10.0	08/19/11 13:38	
Isobutanol	ug/L	ND	100	08/19/11 13:38	
Methacrylonitrile	ug/L	ND	100	08/19/11 13:38	
Methyl methacrylate	ug/L	ND	30.0	08/19/11 13:38	
Methylene Chloride	ug/L	ND	1.0	08/19/11 13:38	
Naphthalene	ug/L	ND	10.0	08/19/11 13:38	
Propionitrile	ug/L	ND	150	08/19/11 13:38	
Styrene	ug/L	ND	1.0	08/19/11 13:38	
Tetrachloroethene	ug/L	ND	1.0	08/19/11 13:38	
Toluene	ug/L	ND	1.0	08/19/11 13:38	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/19/11 13:38	
trans-1,3-Dichloropropene	ug/L	ND	1.0	08/19/11 13:38	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/19/11 13:38	
Trichloroethene	ug/L	ND	1.0	08/19/11 13:38	
Trichlorofluoromethane	ug/L	ND	1.0	08/19/11 13:38	
Vinyl acetate	ug/L	ND	50.0	08/19/11 13:38	
Vinyl chloride	ug/L	ND	1.0	08/19/11 13:38	
Xylene (Total)	ug/L	ND	5.0	08/19/11 13:38	
1,2-Dichloroethane-d4 (S)	%	105	70-130	08/19/11 13:38	
4-Bromofluorobenzene (S)	%	93	70-130	08/19/11 13:38	
Dibromofluoromethane (S)	%	106	70-130	08/19/11 13:38	
Toluene-d8 (S)	%	97	70-130	08/19/11 13:38	

LABORATORY CONTROL SAMPLE: 650153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.9	108	70-130	
1,1,1-Trichloroethane	ug/L	50	47.2	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.2	102	70-130	
1,1,2-Trichloroethane	ug/L	50	51.2	102	70-130	
1,1-Dichloroethane	ug/L	50	45.3	91	70-130	
1,1-Dichloroethene	ug/L	50	42.6	85	70-132	
1,1-Dichloropropene	ug/L	50	44.7	89	70-130	
1,2,3-Trichloropropane	ug/L	50	49.8	100	70-130	
1,2,4-Trichlorobenzene	ug/L	50	55.3	111	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	51.8	104	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.9	104	70-130	
1,2-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,2-Dichloroethane	ug/L	50	46.4	93	70-130	
1,2-Dichloropropane	ug/L	50	48.6	97	70-130	
1,3-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,3-Dichloropropane	ug/L	50	50.4	101	70-130	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

LABORATORY CONTROL SAMPLE: 650153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	50.6	101	70-130	
2,2-Dichloropropane	ug/L	50	50.5	101	58-145	
2-Butanone (MEK)	ug/L	100	78.8J	79	70-145	
2-Hexanone	ug/L	100	92.1	92	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	111	111	70-140	
Acetone	ug/L	100	65.5J	65	50-175	F3
Acetonitrile	ug/L	500	493	99	70-130	
Acrolein	ug/L	250	359	144	70-130	F3,L3
Acrylonitrile	ug/L	250	276	110	70-143	
Allyl chloride	ug/L	50	49.3	99	70-130	
Benzene	ug/L	50	45.3	91	70-130	
Bromochloromethane	ug/L	50	46.5	93	70-130	
Bromodichloromethane	ug/L	50	50.4	101	70-130	
Bromoform	ug/L	50	53.4	107	70-130	
Bromomethane	ug/L	50	44.6	89	54-130	
Carbon disulfide	ug/L	50	45.9J	92	70-131	
Carbon tetrachloride	ug/L	50	54.6	109	70-132	
Chlorobenzene	ug/L	50	50.9	102	70-130	
Chloroethane	ug/L	50	49.6	99	64-134	
Chloroform	ug/L	50	47.1	94	70-130	
Chloromethane	ug/L	50	38.5	77	64-130	
Chloroprene	ug/L	50	38.3	77	70-130	
cis-1,2-Dichloroethene	ug/L	50	44.6	89	70-131	
cis-1,3-Dichloropropene	ug/L	50	53.4	107	70-130	
Dibromochloromethane	ug/L	50	53.0	106	70-130	
Dibromomethane	ug/L	50	50.2	100	70-131	
Dichlorodifluoromethane	ug/L	50	44.8	90	56-130	
Ethyl methacrylate	ug/L	50	55.5	111	70-130	
Ethylbenzene	ug/L	50	49.5	99	70-130	
Hexachloro-1,3-butadiene	ug/L	50	53.7	107	70-130	
Iodomethane	ug/L	100	98.4	98	49-180	
Isobutanol	ug/L	1000	1020	102	70-130	
Methacrylonitrile	ug/L	500	490	98	70-130	
Methyl methacrylate	ug/L	50	51.4	103	70-130	
Methylene Chloride	ug/L	50	43.9	88	63-130	
Naphthalene	ug/L	50	53.7	107	70-138	
Propionitrile	ug/L	500	482	96	70-130	
Styrene	ug/L	50	48.7	97	70-130	
Tetrachloroethene	ug/L	50	51.6	103	70-130	
Toluene	ug/L	50	45.2	90	70-130	
trans-1,2-Dichloroethene	ug/L	50	43.7	87	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	55.6J	111	70-141	
Trichloroethene	ug/L	50	48.3	97	70-130	
Trichlorofluoromethane	ug/L	50	46.3	93	62-133	
Vinyl acetate	ug/L	100	118	118	66-157	
Vinyl chloride	ug/L	50	44.9	90	69-130	
Xylene (Total)	ug/L	150	158	105	70-130	

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Eden, NC 27288
(336)623-8921

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

QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

LABORATORY CONTROL SAMPLE: 650153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 650154 650155

Parameter	Units	92100524015 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	40.3	39.1	81	78	70-166	3	30	
Benzene	ug/L	ND	50	50	41.7	40.2	83	80	70-148	4	30	
Chlorobenzene	ug/L	ND	50	50	61.4	60.7	123	121	70-146	1	30	
Toluene	ug/L	ND	50	50	50.6	49.6	101	99	70-155	2	30	
Trichloroethene	ug/L	ND	50	50	48.8	47.7	98	95	69-151	2	30	
1,2-Dichloroethane-d4 (S)	%						118	116	70-130			
4-Bromofluorobenzene (S)	%						94	94	70-130			
Dibromofluoromethane (S)	%						107	108	70-130			
Toluene-d8 (S)	%						93	92	70-130			

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

QC Batch: WET/17643
QC Batch Method: SM 4500-S2D
Analysis Method: SM 4500-S2D
Analysis Description: 4500S2D Sulfide Water
Associated Lab Samples: 92100738001

METHOD BLANK: 651151
Matrix: Water
Associated Lab Samples: 92100738001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	ug/L	ND	1000	08/23/11 09:45	

LABORATORY CONTROL SAMPLE: 651152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	ug/L	500	508J	102	90-110	

MATRIX SPIKE SAMPLE: 651153

Parameter	Units	92100488002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	ug/L	ND	500	508J	96	75-125	

SAMPLE DUPLICATE: 651154

Parameter	Units	92100488002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

QC Batch: WETA/10456
QC Batch Method: SM 4500-CN-E
Analysis Method: SM 4500-CN-E
Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 92100738001

METHOD BLANK: 653541
Matrix: Water
Associated Lab Samples: 92100738001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	ND	10.0	08/30/11 14:52	

LABORATORY CONTROL SAMPLE: 653542

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	100	99.0	99	80-120	

MATRIX SPIKE SAMPLE: 653543

Parameter	Units	92100658001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	ND	100	107	98	75-125	

SAMPLE DUPLICATE: 653544

Parameter	Units	92100658002 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	ug/L	ND	ND		20	

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QUALIFIERS

Project: WAYNE MSWLF-BLANKS
Pace Project No.: 92100738

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.

SG - Silica Gel - Clean-Up

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

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

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

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte
PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

C9	Common Laboratory Contaminant.
F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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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

1333741

Section A Required Client Information:

Company: Municipal Engineering Services
Address: PO Box 97
Gainer NC 27529
Email To:
Phone: (919) 772-5545 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: jfitch@mesco.com
Copy To: mgersmann@mesco.com
Purchase Order No.:
Project Name: Wayne MSWLF - Blanks
Project Number:

Section C Invoice Information:

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

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

Site Location STATE: NC

Requested Analysis Filtered (Y/N): N

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

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	VOCs - App 2	Metals - App 4	Cyanide	Sulfide	Pesticides	Herbicides App 2	App 2	SVOCs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92100738
1	EB	WT	G			8/17/11												✓	✓	✓	✓	✓	✓	✓		N	92100738001
2	FB								4			1	3					✓	✓								002
3	TB					Pace Filled			2				2					✓									003
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
DI H2O provided By Pace	/MESCO	8/18/11	8:25	Pace	8/18/11	8:25	
EB = DI Bailer/ Geotech		8-18-11	13:25		8/18/11	13:25	

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: Jon Fitch
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 8/17/11

*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	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: July 29, 2011 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.05**	Issuing Authority: Pace Huntersville Quality Office

Client Name: Municipal Project # 92100738

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden

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

Temp Correction Factor Add / Subtract _____ °C

Corrected Cooler Temp.: 2.9 °C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: Chm 8/18/11

		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: -Includes date/time/ID/Analysis Matrix:_____	☐Yes ☑No ☐N/A	12. Rcvd 1 liter for PCB not on COC for EB no date/time.
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13. + no date/time on bottle
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☑Yes ☐No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):_____		

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

Person Contacted: Jonathan Pfohl Date/Time: 8/19/11

Comments/ Resolution: Jonathan instructed not to analyze 8082 PCBs for EB. KG

SCURF Review: JG **Date:** 8/18/11 **SRF Review:** KS **Date:** 8/19/11

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)

Appendix C
Field Sampling Parameter Data Sheet(s)

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_____of_____

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	8/17/11	4:55	19.92	MNA	7	P&DB	N	Pre-Purged	25	40	7.0	39	4.95	18.4	13	6	136c	NR
MW-2	8/16/11	5:40	6.35	MNA	8	P&DB	Y		15	>100	1.9	-93	6.33	21.3	975	485	82c	NR
MW-3	8/16/11	2:00	0.92	DM	10	DB	N		18	NR	0.3	18	6.01	19.9	420	109	c	NR
MW-4	8/17/11	2:00	8.03	DM	5	DB	N		15	NR	NR	251	4.72	17.8	96	47	c	NR
MW-5	↓	4:20	3.31	DM	8	DB	N	Lock broken Rod [illegible]	18	NR	NR	203	4.49	20.2	67	33	ST	NR
MW-6	↓	4:00	7.40	DM	7	DB	N		18.14	NR	NR	292	4.80	18.7	447	228	ST	NR
MW-7	↓	3:15	10.13	DM	6	DB	N		19	NR	NR	304	4.51	20.5	89	44	c	NR
MW-8	8/17/11	12:30	20.92	MNA	9	P&DB	N Always	Pre-Purged	29	>100	2.3	275	4.75	16.8	47	24	30 ST	NR
MW-9	8/17/11	11:30	21.31	I VOCs	4	DB	Y		25	NR	1.8	269	4.80	17.3	42	21	MT	NR
MW-10	8/17/11	12:05	20.69	I VOCs	5	DB	N		25	NR	2.2	324	4.53	17.6	71	34	MT	NR
MW-11	8/16/11	3:00	3.70	I VOCs	3	DB	N		15	NR	2.2	193	6.01	19.3	68	28	ST	NR
SW-BY-~~MW-2~~	8/16/11	5:55	—	I VOCs	—	Dip		Very Low But Moving	—	NR	5.8	62	6.88	26.3	47	22	C	—
SW-2	NS	DRY						upstream nearest MW-7										

11:00

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

DO Meter stopped working @ ~2:00 PM on 8/17/11

Sampling Data Sheet

Municipal Services Engineering Company
Garner, NC Boone, NC

Project: Wayne Co MSWLF, Dudley- Shared Surface Waters

Samplers: J. Pfohl Page 1 of 1

Monitoring Point	Sample Date	Sample Time	Sampling Parameters: Lab Parameters to be analyzed for	Sample Type	Visual Gage Height	Visual Flow Rate	Notes	Water Quality Parameters: DO (mg/L)	ORP	pH	Temp. ©	Specific Cond. (us/cm	TDS (mg/L)	Turbidity
SW-1	8/16/11	1:30	DM	Dip	Low	Low	Downstream of SW-2(Closed) & SW-3 (Shared)	6.4	48	5.93	24.7	163	81	clear
SW-2	8/16/11	1:15	DM	Dip	Low	Low	Lined near access rd (Mid stream)	6.2	37	6.21	24.9	117	58	clear
SW-3	NS	Dip	DM				Upstream-furthest East historically Closed							—
							shared- Downstream of SW-2(closed) & upstream of SW-1							
SW-3	8/16/11	12:20		Dip	Low	Low		6.4	31	6.03	25.1	138	70	clear

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