OPERATION/CONSTRUCTION MANAGERS

Municipal Services

CIVIL/SANITARY ENGINEERS

Engineering Company, P.A.

January 6, 2010

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: Monitored Natural Attenuation Semi-Annual Sampling Report
Wayne County Landfill
Dudley, NC 28333

Permit No. 96-01
MESCO Project No. G07058.0

Dear Ms. Drummond:

The Wayne County Closed Unlined Municipal Solid Waste Landfill (MSWLF) and Active Construction and Demolition (C&D) Landfill located near Dudley NC, currently operating under permit #96-01, has commenced Monitored Natural Attenuation (MNA) monitoring in accordance with the Corrective Action Plan (CAP) approved October 2009. This event was performed on August 4 & 6, 2009 along with traditional semi-annual sampling.

As proposed in the CAP, Municipal Engineering Services Company, P.A. (MESCO) collected groundwater samples, to be tested for MNA parameters, from 3 monitoring wells (MW-1, MW-2, and MW-8). A facility map is provided on **Plate 1** illustrating monitoring well locations and groundwater flow direction. **Plate 2** depicts the constituents of concern above 2L concentrations; based on laboratory results from the current sampling event. 2L values were matched to the standards used in the semi-annual sampling report for consistency. Sampling was conducted per the methodology listed in the approved CAP Groundwater and Surface Water Sampling and Analysis Plan.

Table 1 lists the wells with their required MNA sampling parameter results. Appendix 1 metals and VOC laboratory results for the current sampling event are included. Further analysis will be conducted with further sampling events. As required by the Solid Waste Section an evaluation of MNA's effectiveness as a remedy will be presented in a Comprehensive MNA Evaluation Report after four sampling events are conducted.

The next semi-annual sampling event is scheduled for February 2010 and the lab results will be submitted upon completion. If you have any questions or comments regarding this sampling update, please contact me by phone at (919) 772-5393 or by email at mgerman@mesco.com.

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

Madeline German
Geoscientist

Enclosures
cc: Mr. Tim Rogers, Wayne County

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

Table 1: MNA Parameters at Monitoring Well Locations

Parameters	Method	mdl*	Units	MW-1	MW-2	MW-8
				08/06/09	08/06/09	08/06/09
VFA – Acetic Acid	AM21G	1	mg/L	BQL	BQL	BQL
VFA – Butyric Acid	AM21G	1	mg/L	BQL	BQL	BQL
VFA – Lactic Acid	AM21G	25	mg/L	BQL	BQL	BQL
VFA – Propionic Acid	AM21G	1	mg/L	BQL	BQL	BQL
VFA – Pyruvic Acid	AM21G	10	mg/L	BQL	BQL	BQL
Hydrogen*	AM20GAX	0.6	nM	1.8	1400	140
Methane	AM20GAX	0.015	ug/L	0.045	4700	3.9
Ethene	AM20GAX	0.01	ug/L	0.011	0.013	0.007
Ethane	AM20GAX	0.01	ug/L	BQL	0.8	0.003
CO2-Dissolved	Field Hach Kit	1	mg/L	20	>100	>100
Alkalinity	SM 2320B	5000	ug/L	BQL	652000	BQL
Sulfate	ASTM D516-90	5000	ug/L	6360	27100	BQL
Sulfide	SM 4500-S2D	100	ug/L	BQL	BQL	BQL
Chloride	SM 4500-Cl-E	5000	ug/L	BQL	47000 π	14700
TOC	SM 5310B	1000	ug/L	1900	44000	5400
COD	SM 5220D	25000	ug/L	BQL	85900	BQL
BOD	SM5210B	2000	ug/L	BQL	12600	BQL
Iron	EPA 6010	14	ug/L	550	50100	9680
Nitrate	EPA 353.2	100	ug/L	447	257	204
Temperature	Field Instrument	0	Degrees C	21.7	24.1	20.2
ORP	Field Instrument	-900	mV	270	193	242
DO	Field Instrument	0	mg/L	6.9	0.9	0.9
pH	Field Instrument	0	Standard Units	5.13	6.45	4.65
Specific Conductance	Field Instrument	0	us/cm	30	1890	90
Turbidity	Field Instrument	0	NTU	11.9	13.8	76.3

Notes:

VFA = Volitile Fatty Acid

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

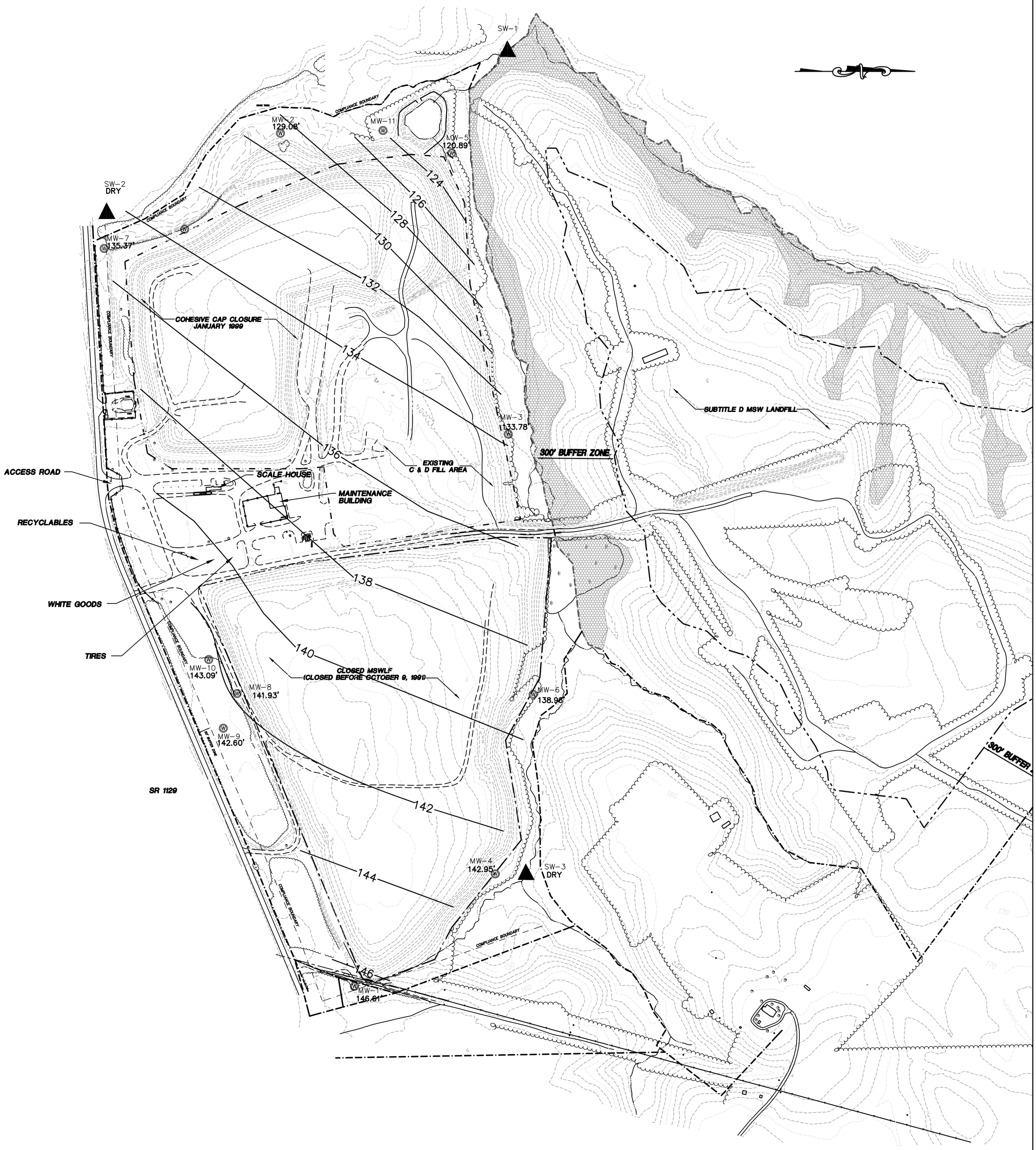
BQL = Below Quantitation Limit

>100 = CO2 Concentration Exceeds Maximum capability of Method Used

na = Not Analyzed or Not Applicable

Hydrogen artificially elevated due to use of steel washer on sampling device.

Π – Chloride in MW-2 used a 2x dilution (mdl = 10000)



LEGEND

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

121.78' GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)

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

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

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

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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

DATE	BY	REV.	DESCRIPTION

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

MUNICIPAL SOLID WASTE
LANDFILL FACILITY
WAYNE COUNTY
NORTH CAROLINA

LICENSE NUMBER: C-0281
Municipal Services
P.O. BOX 97 GARNER, N.C. 27529
(919) 772-5393
Engineering Company, P.A.
P.O. BOX 349 BOONE, N.C. 28607
(828) 262-1767
P.O. BOX 828 MOREHEAD CITY, N.C. 28557
(252) 726-9481

LEGEND

- EXISTING CONTOURS
- PROPERTY LINE
- EXISITING UNPAVED ROAD
- EXISTING CREEK, STREAM, ETC.
- EXISTING DIVERSION DITCHES
- CLOSED MSWLF SANITARY UNIT
- P3-17 — PIEZOMETER LOCATION
- MW5 — MONITORING WELLS C&D LANDFILL
- MW-1 — MONITORING WELLS SUBTITLE D
- P1-3 — ABANDONED PIEZOMETER
- SW-5 — SURFACE WATER SAMPLING SUBTITLE D
- SW-1 — SURFACE WATER SAMPLING C&D
- WETLANDS

* CONTAMINATS OF CONCERN ABOVE 2L
FROM 08-04-09 SAMPLING EVENT

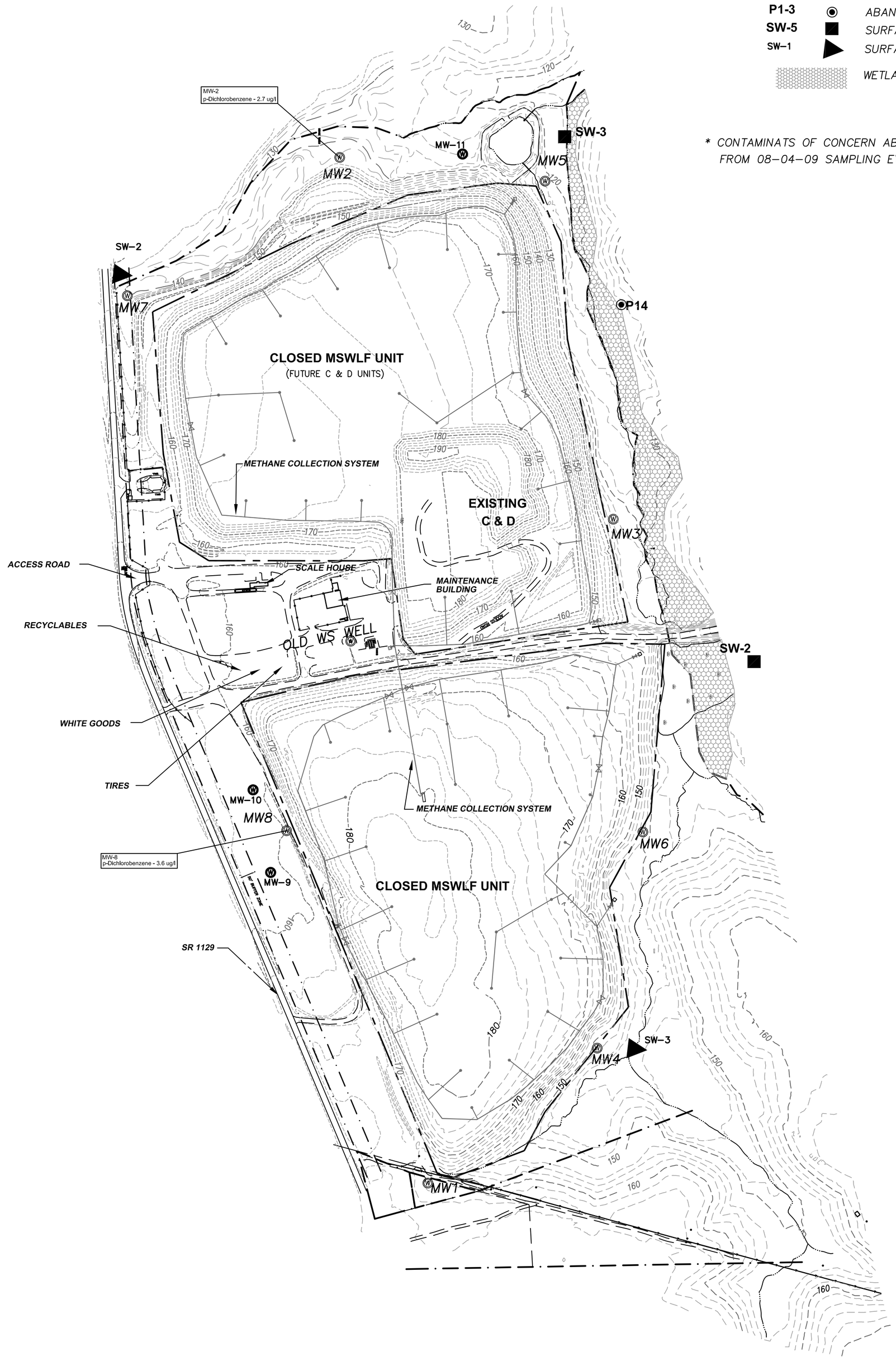


PLATE 2

DRAWING NO. PLATE 2	PROJECT NUMBER G07058.0	CHKD. BY: M. BROWN	DRWN. BY: M. GERMAN	DATE: 12/20/2009	SCALE: 1" = 200'
SHEET NO. 1 OF 1					

DATE	BY	REV.	DESCRIPTION

WELL CONCENTRATIONS OF
CONTAMINANTS OF CONCERN ABOVE 2L

MUNICIPAL SOLID WASTE LANDFILL FACILITY
WAYNE COUNTY NORTH CAROLINA

LICENSE NUMBER: C-0281
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
P.O. BOX 828 MOREHEAD CITY, N.C. 28557 (252) 726-9481

Laboratory Results

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

September 17, 2009

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

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

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

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

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

Sincerely,

Brandon Helton

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

Enclosures

cc: Ms. Maggie German, Municipal Engineering Services

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CERTIFICATIONS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

Charlotte Certification IDs

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

Asheville Certification IDs

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

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(704)875-9092

SAMPLE SUMMARY

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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SAMPLE ANALYTE COUNT

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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ANALYTICAL RESULTS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

LABORATORY CONTROL SAMPLE: 322337

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

SAMPLE DUPLICATE: 322338

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

SAMPLE DUPLICATE: 322340

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

LABORATORY CONTROL SAMPLE: 319787

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

MATRIX SPIKE SAMPLE: 319788

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

SAMPLE DUPLICATE: 319789

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

LABORATORY CONTROL SAMPLE: 319963

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

MATRIX SPIKE SAMPLE: 319964

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

SAMPLE DUPLICATE: 319965

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

LABORATORY CONTROL SAMPLE: 323766

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

MATRIX SPIKE SAMPLE: 323767

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

MATRIX SPIKE SAMPLE: 323768

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

SAMPLE DUPLICATE: 323769

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

SAMPLE DUPLICATE: 323770

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

LABORATORY CONTROL SAMPLE: 323127

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

MATRIX SPIKE SAMPLE: 323128

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

MATRIX SPIKE SAMPLE: 323133

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

SAMPLE DUPLICATE: 323132

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

SAMPLE DUPLICATE: 323134

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

METHOD BLANK: 320081 Matrix: Water

Associated Lab Samples: 9250227001

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

LABORATORY CONTROL SAMPLE: 320082

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

LABORATORY CONTROL SAMPLE: 320082

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 320083 320084

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

METHOD BLANK: 321964 Matrix: Water

Associated Lab Samples: 9250227006, 9250227007, 9250227008, 9250227009

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

LABORATORY CONTROL SAMPLE: 321965

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

LABORATORY CONTROL SAMPLE: 321965

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 321966 321967

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

LABORATORY CONTROL SAMPLE: 319795

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

SAMPLE DUPLICATE: 319796

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

METHOD BLANK: 320077 Matrix: Water

Associated Lab Samples: 9250227004, 9250227005

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

LABORATORY CONTROL SAMPLE: 320078

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

LABORATORY CONTROL SAMPLE: 320078

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

METHOD BLANK: 320356 Matrix: Water

Associated Lab Samples: 9250227002, 9250227003

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

LABORATORY CONTROL SAMPLE: 320357

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

LABORATORY CONTROL SAMPLE: 320357

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 320358 320359

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

LABORATORY CONTROL SAMPLE: 322576

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

MATRIX SPIKE SAMPLE: 322577

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

SAMPLE DUPLICATE: 322578

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

LABORATORY CONTROL SAMPLE: 322370

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

MATRIX SPIKE SAMPLE: 322371

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

SAMPLE DUPLICATE: 322372

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

LABORATORY CONTROL SAMPLE: 319303

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

MATRIX SPIKE SAMPLE: 319304

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

MATRIX SPIKE SAMPLE: 319304

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

SAMPLE DUPLICATE: 319305

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

LABORATORY CONTROL SAMPLE: 320241

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

MATRIX SPIKE SAMPLE: 320242

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

SAMPLE DUPLICATE: 320243

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

LABORATORY CONTROL SAMPLE: 320001

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

MATRIX SPIKE SAMPLE: 320002

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

SAMPLE DUPLICATE: 320003

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

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QUALITY CONTROL DATA

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

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

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

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

LABORATORY CONTROL SAMPLE: 324084

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

MATRIX SPIKE SAMPLE: 324085

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

MATRIX SPIKE SAMPLE: 324088

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

SAMPLE DUPLICATE: 324087

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

SAMPLE DUPLICATE: 324089

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

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QUALIFIERS

Project: WAYNE CLOSED MSWLF
Pace Project No.: 9250227

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

LABORATORIES

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

ANALYTE QUALIFIERS

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

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microseeps
from insight comes solutions

Client Name: Pace Analytical
Contact: Bonnie McKee
Address: 9800 Kincey Ave
Suite 100
Huntersville, NC 28078

Page: Page 1 of 9
Lab Proj #: P0908110
Report Date: 08/18/09
Client Proj Name: CHS07358
Client Proj #: CHS07358

Laboratory Results

Total pages in data package: 10

Lab Sample #	Client Sample ID
P0908110-01	MW-1
P0908110-02	MW-2
P0908110-03	MW-8

Microseeps test results meet all the requirements of the NELAC standards or provide reasons and/or justification if they do not.

Approved By: Heather Hauser ***Date:*** 8.18.09

Project Manager: Heather Hauser

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.

Case Narrative: The percent recoveries for one of the MS/MSD analyses for acetic acid could not be calculated because of the unspiked sample concentration. The percent recoveries for lactic and pyruvic acids were outside of control limits.

Client Name: Pace Analytical
Contact: Bonnie McKee
Address: 9800 Kincey Ave
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Huntersville, NC 28078

Lab Proj #: P0908110
Report Date: 08/18/09
Client Proj Name: CHS07358
Client Proj #: CHS07358

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-1	Vapor	P0908110-01	06 Aug. 09 9:00	11 Aug. 09 11:23

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis							
N Ethane	U	< 0.010	0.010	ug/L	AM20GAX	8/17/09	mm
N Ethene		0.011	0.010	ug/L	AM20GAX	8/17/09	mm
N Hydrogen		1.800	0.600	nM	AM20GAX	8/17/09	mm
N Methane		0.045	0.015	ug/L	AM20GAX	8/17/09	mm
SemiVolatiles							
N Acetic Acid	UM	< 1.0	1	mg/L	AM21G	8/13/09	td
N Butyric Acid	U	< 1.0	1	mg/L	AM21G	8/13/09	td
N Lactic Acid	UM	< 25.0	25	mg/L	AM21G	8/13/09	td
N Propionic Acid	U	< 1.0	1	mg/L	AM21G	8/13/09	td
N Pyruvic Acid	UM	< 10.0	10	mg/L	AM21G	8/13/09	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: Pace Analytical
Contact: Bonnie McKee
Address: 9800 Kincey Ave
Suite 100
Huntersville, NC 28078

Page: Page 4 of 9
Lab Proj #: P0908110
Report Date: 08/18/09
Client Proj Name: CHS07358
Client Proj #: CHS07358

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-2	Vapor	P0908110-02	06 Aug. 09 14:30	11 Aug. 09 11:23

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis							
N Ethane		0.800	0.010	ug/L	AM20GAX	8/17/09	mm
N Ethene		0.013	0.010	ug/L	AM20GAX	8/17/09	mm
N Hydrogen		1400.000	60.000	nM	AM20GAX	8/17/09	mm
N Methane		4700.000	0.015	ug/L	AM20GAX	8/17/09	mm
SemiVolatiles							
N Acetic Acid	UM	< 1.0	1	mg/L	AM21G	8/13/09	td
N Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	8/13/09	td
N Lactic Acid	UM	< 25.0	25	mg/L	AM21G	8/13/09	td
N Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	8/13/09	td
N Pyruvic Acid	UM	< 10.0	10	mg/L	AM21G	8/13/09	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: Pace Analytical
Contact: Bonnie McKee
Address: 9800 Kincey Ave
Suite 100
Huntersville, NC 28078

Lab Proj #: P0908110
Report Date: 08/18/09
Client Proj Name: CHS07358
Client Proj #: CHS07358

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-8	Vapor	P0908110-03	06 Aug. 09 14:30	11 Aug. 09 11:23

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis							
N Ethane	J	0.003	0.010	ug/L	AM20GAX	8/17/09	mm
N Ethene	J	0.007	0.010	ug/L	AM20GAX	8/17/09	mm
N Hydrogen		140.000	6.000	nM	AM20GAX	8/17/09	mm
N Methane		3.900	0.015	ug/L	AM20GAX	8/17/09	mm
SemiVolatiles							
N Acetic Acid	UM	< 1.0	1	mg/L	AM21G	8/13/09	td
N Butyric Acid	U	< 1.0	1	mg/L	AM21G	8/13/09	td
N Lactic Acid	UM	< 25.0	25	mg/L	AM21G	8/13/09	td
N Propionic Acid	U	< 1.0	1	mg/L	AM21G	8/13/09	td
N Pyruvic Acid	UM	< 10.0	10	mg/L	AM21G	8/13/09	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: Pace Analytical
Contact: Bonnie McKee
Address: 9800 Kincey Ave
Suite 100
Huntersville, NC 28078

Lab Proj #: P0908110
Report Date: 08/18/09
Client Proj Name: CHS07358
Client Proj #: CHS07358

Prep Method: Analysis of Volatile Fatty Acids in Water
Analysis Method: Analysis of Volatile Fatty Acids in Water

M090817013-MB

	Result		TrueSpikeConc.	RDL	%Recovery	Ctl Limits
Acetic Acid	< 1.0	mg/L		1.0		- NA
Propionic Acid	< 1.0	mg/L		1.0		- NA
Butyric Acid	< 1.0	mg/L		1.0		- NA
Lactic Acid	< 25.0	mg/L		25.0		- NA
Pyruvic Acid	< 10.0	mg/L		10.0		- NA

M090817013-LCS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Acetic Acid	100.0	mg/L	100.00	100.00	70 - 130
Propionic Acid	98.0	mg/L	100.00	98.00	70 - 130
Butyric Acid	98.0	mg/L	100.00	98.00	70 - 130
Lactic Acid	87.0	mg/L	100.00	87.00	70 - 130
Pyruvic Acid	89.0	mg/L	100.00	89.00	70 - 130

P0908110-01A-MS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Acetic Acid	100.0	mg/L	100.00	100.00	70 - 130
Propionic Acid	98.0	mg/L	100.00	98.00	70 - 130
Butyric Acid	97.0	mg/L	100.00	97.00	70 - 130
Lactic Acid	89.0	mg/L	100.00	89.00	70 - 130
Pyruvic Acid	89.0	mg/L	100.00	89.00	70 - 130

P0908117-02A-MS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Propionic Acid	160.0	mg/L	100.00	91.00	70 - 130
Butyric Acid	190.0	mg/L	100.00	90.00	70 - 130
Lactic Acid	30.0	mg/L	100.00	17.00	70 - 130
Pyruvic Acid	9.6	mg/L	100.00	0.00	70 - 130

P0908110-01A-MSD

	Result		TrueSpikeConc.	%Recovery	Ctl Limits	RPD	RPD Ctl Limits
Acetic Acid	100.0	mg/L	100.00	100.00	70 - 130	0.00	0 - 20

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: Pace Analytical
Contact: Bonnie McKee
Address: 9800 Kincey Ave
Suite 100
Huntersville, NC 28078

Lab Proj #: P0908110
Report Date: 08/18/09
Client Proj Name: CHS07358
Client Proj #: CHS07358

P0908110-01A-MSD

	Result		TrueSpikeConc.	%Recovery	Ctl Limits	RPD	RPD Ctl Limits
Propionic Acid	100.0	mg/L	100.00	100.00	70 - 130	2.02	0 - 20
Butyric Acid	99.0	mg/L	100.00	99.00	70 - 130	2.04	0 - 20
Lactic Acid	84.0	mg/L	100.00	84.00	70 - 130	5.78	0 - 20
Pyruvic Acid	83.0	mg/L	100.00	83.00	70 - 130	6.98	0 - 20

P0908117-02A-MSD

	Result		TrueSpikeConc.	%Recovery	Ctl Limits	RPD	RPD Ctl Limits
Propionic Acid	180.0	mg/L	100.00	111.00	70 - 130	11.76	0 - 20
Butyric Acid	210.0	mg/L	100.00	110.00	70 - 130	10.00	0 - 20
Lactic Acid	25.0	mg/L	100.00	13.00	70 - 130	200.00	0 - 20
Pyruvic Acid	3.4	mg/L	100.00	0.00	70 - 130	200.00	0 - 20

Outlined Results indicate results outside of Control limits

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: Pace Analytical
Contact: Bonnie McKee
Address: 9800 Kincey Ave
Suite 100
Huntersville, NC 28078

Lab Proj #: P0908110
Report Date: 08/18/09
Client Proj Name: CHS07358
Client Proj #: CHS07358

Prep Method: Light Hydrocarbons (C1-C4) by Bubblestrip

Analysis Method: Light Hydrocarbons (C1-C4) by Bubblestrip

M090817030-MB

	Result		TrueSpikeConc.	RDL	%Recovery	Ctl Limits
Ethane	< 0.010	ug/L		0.010		- NA
Ethene	< 0.010	ug/L		0.010		- NA
Methane	< 0.015	ug/L		0.015		- NA

M090817030-LCS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Ethane	2.900	ug/L	2.71	107.00	75 - 125
Ethene	6.900	ug/L	6.49	106.00	75 - 125
Methane	3.300	ug/L	3.08	107.00	75 - 125

M090817030-LCSD

	Result		TrueSpikeConc.	%Recovery	Ctl Limits	RPD	RPD Ctl Limits
Ethane	2.900	ug/L	2.71	107.00	75 - 125	0.00	0 - 20
Ethene	6.900	ug/L	6.49	106.00	75 - 125	0.00	0 - 20
Methane	3.300	ug/L	3.08	107.00	75 - 125	0.00	0 - 20

Outlined Results indicate results outside of Control limits

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: Pace Analytical
Contact: Bonnie McKee
Address: 9800 Kincey Ave
Suite 100
Huntersville, NC 28078

Lab Proj #: P0908110
Report Date: 08/18/09
Client Proj Name: CHS07358
Client Proj #: CHS07358

Prep Method: Hydrogen by Bubble Strip
Analysis Method: Hydrogen by Bubble Strip

M090817033-MB

	Result		TrueSpikeConc.	RDL	%Recovery	Ctl Limits
Hydrogen	< 0.600	nM		0.600		- NA

M090817033-LCS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Hydrogen	9.200	nM	9.78	94.00	75 - 125

M090817033-LCSD

	Result		TrueSpikeConc.	%Recovery	Ctl Limits	RPD	RPD Ctl Limits
Hydrogen	9.000	nM	9.78	92.00	75 - 125	2.20	0 - 20

Outlined Results indicate results outside of Control limits

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Chain of Custody

Po908110

Pace Analytical®
www.pacelabs.com

Workorder: 9250227 **Workorder Name:** WAYNE CLOSED MSWLF **Results Requested** 8/19/2009

Report / Invoice To

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

Subcontract To

microseeps P.O. CHS07358

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: General	HCL	Unpreserved				Requested Analysis: VFA	Hydrogen	Methane Ethane Ethene									LAB USE ONLY
1	~~[illegible]~~	~~8/4/2009 11:00~~	~~[illegible]~~	~~Water~~																		
2	~~[illegible]~~	~~8/4/2009 10:00~~	~~[illegible]~~	~~Water~~																		
3	~~[illegible]~~	~~8/4/2009 11:45~~	~~[illegible]~~	~~Water~~																		
4	~~[illegible]~~	~~8/4/2009 12:25~~	~~[illegible]~~	~~Water~~																		
5	~~[illegible]~~	~~8/4/2009 12:45~~	~~[illegible]~~	~~Water~~																		
6	MW-1	8/6/2009 09:00	9250227006	Water							✓	✓	✓									
7	MW-2	8/6/2009 14:30	9250227007	Water							✓	✓	✓									
8	MW-8	8/6/2009 14:30	9250227008	Water							✓	✓	✓									
9	~~[illegible]~~	~~8/6/2009 [illegible]~~	~~[illegible]~~	~~Water~~																		
10																						
11																						
12																						
13																						

Transfers	Released By	Date/Time	Received By	Date/Time
1	Bonnie McKee Pace Fedex	8/10/09 1730	Fedex	8/10/09 1730
2				
3				8/11/9 [illegible]
4				
5				

Comments

Partial submittal combine w/ other samples to be submitted later

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1324950

Section A Required Client Information:

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

Section B Required Project Information:

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

Section C Invoice Information:

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

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N): N

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

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

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

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

ORIGINAL

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

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

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.

Submitted Previously

Combine w/ 1324950

Page: 1 of 1

1324949

Section A Required Client Information:

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

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

Requested Analysis Filtered (Y/N)

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

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

ORIGINAL

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

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

Pace Analytical

Sample Condition Upon Receipt

Client Name: Municipal Engineering Service Project # 9250227

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

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

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

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

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

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

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

Temp should be above freezing to 6°C

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

Client Notification/ Resolution:

Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

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

Pace Analytical

Sample Condition Upon Receipt

Client Name: Municipal Eng. Project # 92502227

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

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

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

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

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

Temp should be above freezing to 6°C

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

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

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

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

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1181680

Section A Required Client Information:

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

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

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

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

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

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

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

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

Pace Analytical

Sample Condition Upon Receipt

Client Name: Municipal Project # 92499441

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

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

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

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

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

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

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

Temp should be above freezing to 6°C

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

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

Sampling Data Sheet

Municipal Services Engineering Company
Garner, NC Boone, NC

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

Samplers: J. Pfohl Page 1 of 1

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

Sampled separately previously Joint

Comments

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

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

NR=No Reading Attempted, NS=No Sample Obtained