

Pelz, Susan

From: Morris, John R.
Sent: Friday, June 01, 2012 6:05 PM
To: Moore, Clark B.
Cc: Martin, Lee; Pelz, Susan
Subject: FW: ADaPT EDD for G1202215
Attachments: 53008_201204_swldd.txt; 53008_201204_swldd_ErrorLog.txt; 53008_201204_swfdd.txt

Clark:

I'm forwarding this message from Ted Strouse regarding the EDD files prepared for ground water data submitted for new monitor wells located at the Sumter County landfill [#53008]. These wells are not part of the routine monitoring network for the closed landfill. The initial sampling event was intended to be analyzed for the parameters listed in Rules 62-701.510(8)(a) and (8)(d), F.A.C., at the three new wells MWB-1 [#28643], MWC-2 [#28644] and MWC-3 [#28645]. Following review of the results of this initial sampling event, it is anticipated that at least three additional quarterly monitoring events will be conducted for the parameters listed in Rule 62-701.510(8)(a), F.A.C., or a reduced parameter list. More details to be determined.

The hard copy of the monitoring results report for this initial sampling event was received 5/29/12 and has been inserted in OCULUS.

Would you check to see if the EDD files have been prepared properly and can be processed for upload to WACS?

Thanks.

John

John R. Morris, P.G.
FDEP SW District Office, Solid Waste Section
13051 N. Telecom Pkwy.
Temple Terrace, FL 33637-0926.

Telephone: 813-632-7600, ext. 336
E-mail: john.r.morris@dep.state.fl.us

From: Ted Strouse [mailto:tstrouse@ctflfi.com]
Sent: Thursday, May 31, 2012 12:25 PM
To: scott.cottrell@sumtercountyfl.gov
Cc: Jackey.Jackson@sumtercountyfl.gov; Morris, John R.
Subject: FW: ADaPT EDD for G1202215

Scott

Here are the electronic data files for the lab testing performed on the groundwater at the landfill site (Facility # 53008) by AEL. I have copied John Morris as required

Respectfully,

Theodore J. Strouse, P.E.

Central Testing Laboratory, Inc.
130 Satellite Court
Leesburg, Florida 34748
352-787-1268
352-728-2245

From: Karen Daniels [<mailto:KDaniels@AELLab.com>]

Sent: Thursday, May 31, 2012 8:02 AM

To: Ted Strouse

Subject: ADaPT EDD for G1202215

This should do it!

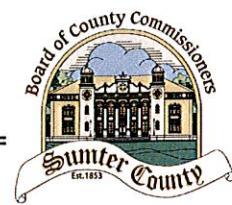
Karen Daniels
Laboratory Manager
Advanced Environmental Laboratories
4965 SW 41st Blvd.
Gainesville, FL 32608
352-377-2349
kdaniels@aellab.com
Website: www.aellab.com

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SUMTER COUNTY PUBLIC WORKS

SUMTER COUNTY, FLORIDA

319 E. Anderson Avenue • Bushnell, FL 33513 • Phone (352) 569-6700 • Fax (352) 569-6701 • Website <http://sumtercountyfl.gov>



Memo

To: Susan J. Pelz, P.E. Solid Waste Program Manager
From: Scott B. Cottrell, P.E. Director, Public Works Division
Date: May 29, 2012
Subject: Groundwater Monitoring Report, Facility #53008
SCSW Landfill Buried Plastic Debris Area
Sumter County, Florida
CTL Project No. 1184094.201

Scott B. Cottrell
Dept. of Environmental
Protection
FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUN 01 2012
MAY 30 2012
SOUTHWEST DISTRICT
TAMPA

Attached you will find the Groundwater Monitoring Report dated May 23, 2012 from Central Testing Laboratory (CTL). CTL is contracted by Sumter County to complete the installation, development, sampling and testing for the background water quality of the groundwater monitor wells at the Sumter County Solid Waste Facility. The findings of the groundwater tests performed at the buried plastic debris area of the facility are included in the said report.

Please feel free to contact me at 352-569-6700 if you have any questions or comments.

Southwest District
Central Testing
Laboratory (CTL)
FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUN 01 2012
SOUTHWEST DISTRICT
TAMPA

Central Testing Laboratory

EB 0002407

Engineering & Materials Testing

Reply to:

Leesburg

May 23, 2012

Board of Sumter County Commissioners
Public Works Division
319 E. Anderson Avenue
Bushnell, Florida 33513

Attention: Mr. Scott Cottrell, P.E.
County Engineer

Subject: Groundwater Monitoring Report, Facility #53008
SCSW Landfill Buried Plastic Debris Area
Sumter County, Florida
CTL Project No. 1184094.201

Dear Mr. Cottrell

CTL has completed the installation, development, sampling and testing for background water quality of the ground water monitor wells at the subject site. The wells were installed March 20, 2012 to the depth specified and constructed in accordance with the monitor well detail proposed in our letter report dated January 19, 2012 and per comments from FDEP dated February 29, 2012.

Standard Penetration Test (SPT) borings were performed at the location of each monitor well prior to installation. Copies of these boring logs are presented in Appendix I. The wells were installed to a depth of 40 feet with the tip elevation at or near elevation +36.0. The wells were developed April 5, 2012 using a submersible pump operating at a flow of 2.0 gallons per minute for a period of one to two hours. The permit for the well installation and the well completion report is presented in Appendix II.

The elevation of the top of casing and the location of each well was determined by Wiley Surveying and Mapping, Inc. and provided to CTL in a survey drawing dated April 2, 2012. A copy of the survey is presented in Appendix III. Depth to groundwater was measured in each of the monitor wells and in the temporary piezometers prior to sampling. Using the survey data and the depth to groundwater measurements made the elevation of the groundwater and the direction of groundwater flow was determined. Groundwater level measurements and groundwater flow direction is presented in the following Table of Groundwater Elevations and Groundwater Flow Maps are presented in Appendix IV.

AY2912PM1:50

5400 S. Florida Avenue
Inverness, FL 34450
(352) 726-6447

130 Satellite Ct.
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3110

Marion County
(352) 622-1186

Member of the American Society for Testing and Materials



**Groundwater Elevation Data Summary
TABLE 1**

Date	April 5, 2012		
Piezometer No. / Monitor Well No.	Top of Casing Elevation	Depth to groundwater	Groundwater Elevation
PZ-1	74.67'	32.16'	42.51'
PZ-2	72.08'	29.20'	42.88'
PZ-3	73.17'	30.07'	43.10'
PZ-4	73.27'	30.64'	42.63'
MWB-1	75.58'	32.50'	43.08'
MWC-2	76.68'	34.06'	42.62'
MWC-3	75.40'	32.90'	42.50'

Date	April 26, 2012		
Piezometer No. / Monitor Well No.	Top of Casing Elevation	Depth to groundwater	Groundwater Elevation
PZ-1	74.67'	32.44'	42.23'
PZ-2	72.08'	29.50'	42.58'
PZ-3	73.17'	30.35'	42.82'
PZ-4	73.27'	30.82'	42.45'
MWB-1	75.58'	32.78'	42.80'
MWC-2	76.68'	34.35'	42.33'
MWC-3	75.40'	33.13'	42.27'

Sampling of the wells was performed April 26, 2012 in accordance with FDEP SOP 001/01 by Advance Environmental Laboratory. The samples were returned to the AEL laboratory and tested for the parameters specified in the Ground water monitoring plan dated May 5, 2011. A copy of the data collected during the sampling event is presented in the Groundwater Sampling Logs Presented in Appendix V. The results of the laboratory testing for each well are presented in Appendix VI.

Sampling Results Summary

Field Parameters

pH

The pH values measured during the sampling event appear consistent with values typical for groundwater in west central Florida. The values ranged between 6.69 and 6.98 and are considered to be slightly acidic.

Temperature

The temperature of the groundwater ranged from 23.7°C in MWB-1 and 28°C in MWC-2. The groundwater temperature was higher in the two down gradient wells than it was in the background well.

Dissolved Oxygen (DO)

Dissolved oxygen levels ranged from 0.46 mg/L to 2.43 mg/L with the highest degree of saturation occurring in the background well MWB-1 at 28.7 percent. Degree of saturation of the down gradient wells was 6.01 percent at MWC-2 and 5.68 percent at MWC-3.

Specific Conductance

Conductance values ranged from 959 $\mu\text{mhos}/\text{cm}$ in MWB-1, the up gradient well, and 1273 $\mu\text{mhos}/\text{cm}$ and 1466 $\mu\text{mhos}/\text{cm}$ in the down gradient wells MWC-2 and MWC-3 respectively.

Turbidity

Turbidity values ranged between 18.1 and 72.3 NTU. The highest value was taken in well MWC-2. It is FDEP recommendation that turbidity values of less than 20 during sampling. Turbidity values higher than 20 can result in bias of other parameters.

Analytical Laboratory Results

The analytical laboratory test results have been compared to the Primary and Secondary Drinking Water Standards of 62-550 FAC and the Groundwater Cleanup Target Levels (GCTL's) of 62-777 FAC for each parameter. Based on this review only two parameters were detected that were above the GCTL's. The two parameters were iron and Total Dissolved Solids. All other parameters tested for were below the GCTL or were below the Method Detection Limit (MDL) of the procedure and equipment used in the analysis.

The iron concentrations in the three wells were MWB-1= 370 $\mu\text{g}/\text{L}$, MWC-2= 370 $\mu\text{g}/\text{L}$, and MWC-3= 360 $\mu\text{g}/\text{L}$. The GCTL for iron is the Secondary Drinking Water Standard of 0.3 mg/l or 300 $\mu\text{g}/\text{L}$. All three wells are above this level and the two down gradient wells are equal to or below the up gradient or background well level.

The values for Total Dissolved Solids in the three wells were MWB-1 = 570 mg/L, MWC-2 = 700 mg/L, and MWC-3 = 910 mg/L. The GCTL for Total Dissolved Solids is the Secondary Drinking Water Standard of 500 mg/L.

Discussion of Results

Comparison of results between the three wells indicates similarities in pH values as all three field results were within 0.3 units and all slightly acidic. Greater variation was observed between wells in temperature and dissolved oxygen. The temperature was lowest at the background well which had a significantly higher dissolved oxygen reading. Typically the degree of saturation of dissolved oxygen in groundwater is less than 20 percent. The degree of saturation can be elevated by purging techniques or can be naturally occurring and relating to temperature and subsurface flow patterns. The degree of saturation can also be reduced through the process of organic matter decay. Purging procedures did not vary significantly between the wells and there was an increase in temperature in the down gradient wells

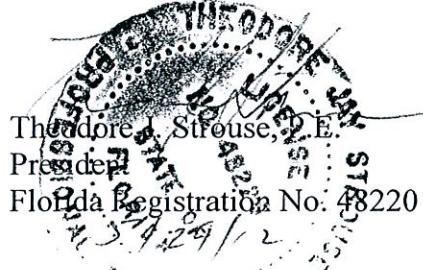
from the background well. It is our opinion that there is a correlation between the temperature and dissolved oxygen levels recorded.

Similarities identified in all three wells include elevated Specific conductivity values, high iron concentrations, and high total dissolved solids. There is a good correlation between specific conductivity values and total dissolved solids concentrations. The iron concentrations were similar in all three wells and were above the GCTL for iron however the concentrations in the down gradient wells were the same or lower than the up gradient or background well. The high iron concentrations may be naturally occurring or may be the result of higher turbidity values and high total dissolved solids.

Turbidity values were above the recommended 20 NTU values in two of the three wells at the time of sampling. Turbidity values are increased with fine grained sediments migrating through the filter media and with disturbance of sediments in the well. It was evident during sampling that the turbidity levels were very high upon initial purging and that the levels dropped significantly during the purging process. The varying turbidity values between the wells are related to the different lithologic units of the screened interval for each well. From the boring logs it is evident that the screened intervals of these wells are positioned in silty and clayey limestone or in silty and clayey sands with limestone fragments. It is anticipated that turbidity levels will improve with additional sampling events. During subsequent sampling events, the purging times will be adjusted to facilitate a reduction in turbidity values.

CTL is pleased to be of assistance on this project. Should you have any questions or comments regarding anything in this report, please do not hesitate to contact me at (352) 787-1268 or via email at tstrouse@ctlfl.com.

Sincerely,
CENTRAL TESTING LABORATORY, INC.


Theodore A. Strouse, P.E.
President
Florida Registration No. 48220
5/29/12

cc: File
Jackey Jackson with Sumter County Public Works
John Morris with DEP

APPENDIX I
SOIL BORING LOGS

CL

BORING LOG

BORING NO. PZ-3/MWB-1

PROJECT: SUMTER COUNTY LANDFILL GWMP

BORING LOCATION: 175' SE OF SE CORNER OF AREA OF INTEREST

BORING METHOD: ASTM D-1586

CLIENT: SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

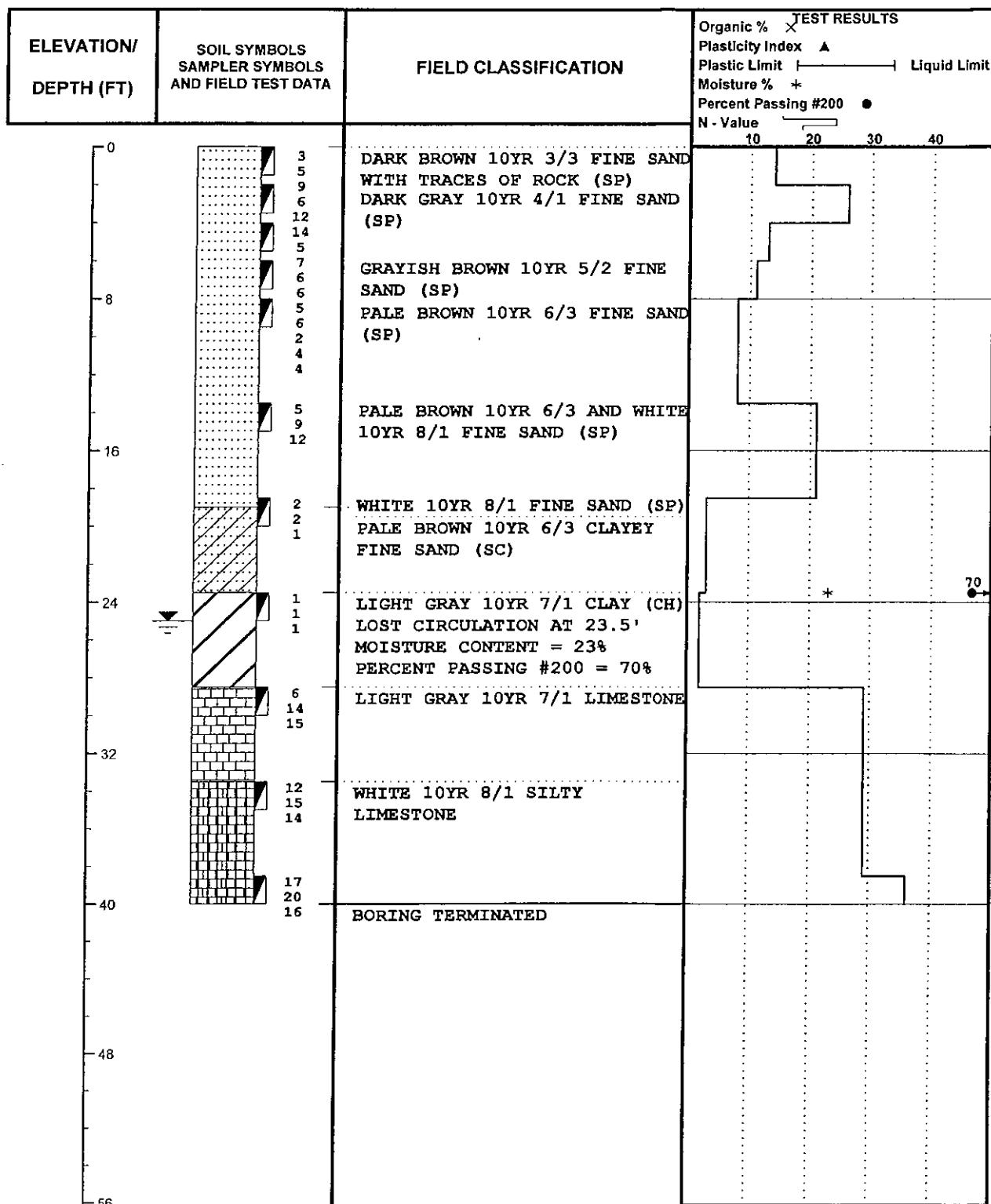
DEPTH TO - Water: 25.0

DATE: 9/23/11

ELEVATION: N/A

DRILLER: AMDRILL

DEPTH OF COLLAPSE: N/A



Notes: PIEZOMETER INSTALLED TO 38.5'. 10'0.10 SLOT SCREEN. 2 BAGS 20/30 SAND AND 1/2 BUCKET BENTONITE.

Central Testing Laboratory

Ocala, Florida

BORING LOG

BORING NO. MWC-2

PROJECT: SCSW Landfill, Groundwater Monitoring

BORING LOCATION: 18' W. & 100' S. of PZ-1

BORING METHOD: SPT (ASTM D-1586)

CLIENT: Board of Sumter Co. Commissioners

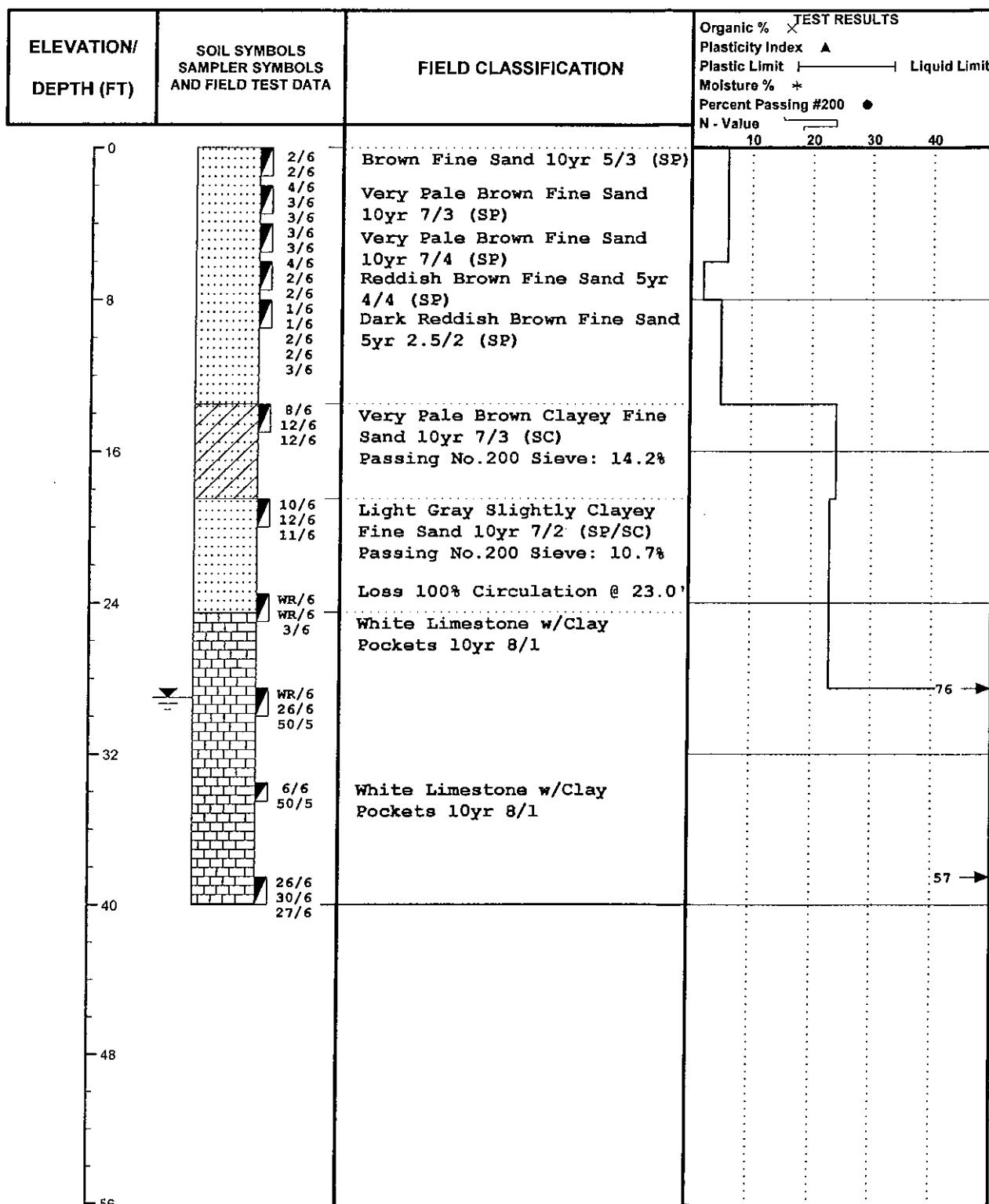
DEPTH TO - Water: 29.0'

DATE: 3-19-12

ELEVATION: N/A

DRILLER: IDI/TS

DEPTH OF COLLAPSE: N/A



Notes: WR = Boring advanced with weight of rod & hammer.

BORING LOG

BORING NO. MWC-3

PROJECT: SCSW Landfill, Groundwater Monitoring

BORING LOCATION: 9' N. & 78' E. of PZ-1

BORING METHOD: SPT (ASTM D-1586)

CLIENT: Board of Sumter Co. Commissioners

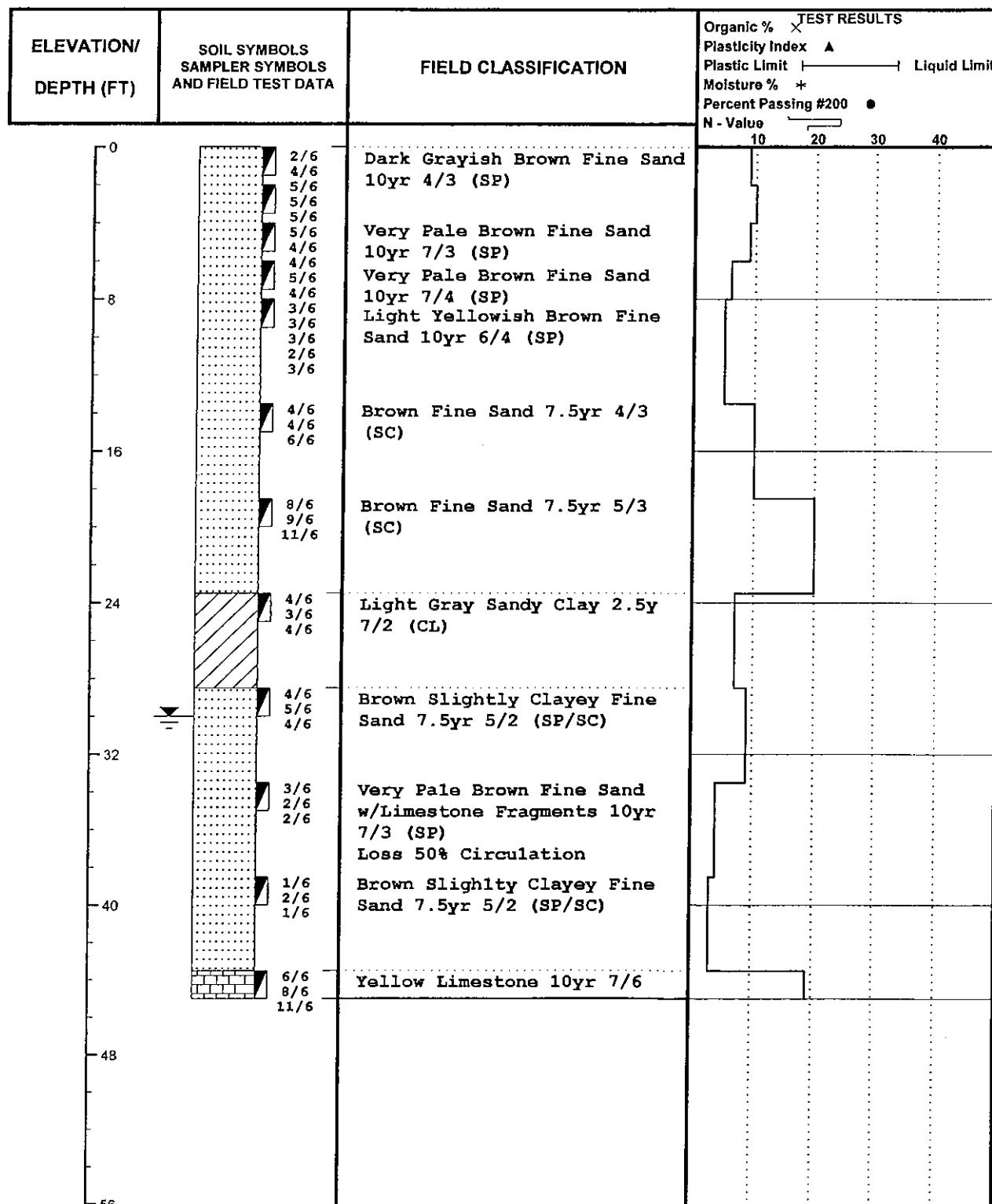
DEPTH TO - Water: 30.0'

DATE: 3-19-12

ELEVATION: N/A

DRILLER: IDI/TS

DEPTH OF COLLAPSE: N/A



Notes: WR = Boring advanced with weight of rod & hammer.

KEY TO SYMBOLS

Symbol Description

Strata symbols

	Poorly graded sands or gravelly sands little or no fines
	Clayey sands sand-clay mixes
	Limestone
	Inorganic clays medium plasticity

Misc. Symbols

	Water table at boring completion
--	-------------------------------------

Soil Samplers

	Standard penetration test
--	---------------------------

Notes:

1. ELEVATIONS REPORTED ON LOGS PROVIDED BY CLIENT.
2. THESE LOGS ARE SUBJECT TO THE LIMITATIONS, CONCLUSIONS, AND RECOMMENDATIONS IN THIS REPORT. DUE TO POSSIBLE VARIANCES IN THE SUBSURFACE BETWEEN THE LOCATIONS OF THE BORINGS, AND THE VARYING DEGREE OF DISTURBANCE, THE DESCRIPTIONS GIVEN ARE GOOD ONLY FOR THE MATERIALS REMOVED DURING THE CONSTRICTION OF EACH BORING.
3. RELATIVE DENSITY (sand-silt)

Very loose - Less than 4 blows/ft.	Loose - 4 to 10 blows/ft.
Medium - 10 to 30 blows/ft.	Dense - 30 to 50 blows/ft.
Very dense - More than 50 blows/ft.	
4. CONSISTENCY (clay)

Very soft - Less than 2 blows/ft.	Soft - 2 to 4 blows/ft.
Medium - 4 to 8 blows/ft.	Stiff - 8 to 15 blows/ft.
Very stiff - 15 to 30 blows/ft.	
Hard - More than 30 blows/ft.	
5. COLORS ARE DETERMINED BY USING THE MUNSELL SOIL COLOR CHART AND THE VALUES ARE GIVEN IN CODE SUCH AS 10YR 3/4.

Legend:

APPENDIX II

PERMIT FOR
WELL INSTALLATION & WELL COMPLETION
REPORT





**STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT,
REPAIR, MODIFY, OR ABANDON A WELL**

X Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Author

**PLEASE FILL OUT ALL APPLICABLE FIELDS
(* Denotes Required Fields Where Applicable)**

The master water contractor is responsible for completing this form and forwarding the permit application to the appropriate delegated authority, where applicable.

Permit No. 820673

DRAFT

Första Underrättelser

Permit Site Locations Required (See Attached)

52-524 Quad No. _____ Date seal or No. _____

CUP.WIP Application No. _____

ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. Sumter County Board of County Co 7375 Powell Road Owner Legal Name if Corporation		Address	Wildwood City	FL State	34785 ZIP	Telephone Number	
2. 915 CR 529 Well Location - Address, Road Name or Number, City		N/A					
3. J22-004 Parcel ID No. (PIN) or Alternate Key (Circle One)		Lot	Block	Unit			
4. 22 Section or Land Grant	20 Township	22 Range	SUMTER County	Subdivision	Check if 62-524: Yes No		
5. William Koons Water Well Contractor		7154 License Number	(352)435-6170 Telephone Number	info@independentdrillinginc.com E-mail Address			
6. 110 SATELLITE COURT Water Well Contractor's Address		LEEBURG City	FL State	34748 ZIP			
7. Type of Work: <input checked="" type="checkbox"/> Construction <input type="checkbox"/> Repair <input type="checkbox"/> Modification		Abandonment <small>Reason for Repair, Modification, or Abandonment</small>					
8. Number of Proposed Wells 3							
9. Specify Intended Use(s) of Well(s):							
Domestic <input type="checkbox"/> Landscape Irrigation <input type="checkbox"/> Agricultural Irrigation <input type="checkbox"/> Site Investigation							
Boiled Water Supply <input type="checkbox"/> Recreation Area Irrigation <input type="checkbox"/> Livestock <input type="checkbox"/> Monitoring							
Public Water Supply (Limited Use/DOH) <input type="checkbox"/> Nursery Irrigation <input type="checkbox"/> Test							
Public Water Supply (Community or Non-Community/DEP) <input type="checkbox"/> Commercial/Industrial <input type="checkbox"/> Earth-Coupled Geothermal							
Class I Injection <input type="checkbox"/>		<input type="checkbox"/> Golf Course Irrigation <input type="checkbox"/> HVAC Supply					
Class V Injection: <input type="checkbox"/> Recharge <input type="checkbox"/> Commercial/Industrial Disposal <input type="checkbox"/> Aquifer Storage and Recovery <input type="checkbox"/> Drainage		<input type="checkbox"/> HVAC Return					
Remediation: <input type="checkbox"/> Recovery <input type="checkbox"/> Air Sparge <input type="checkbox"/> Other <input type="checkbox"/>							
Other: <input type="checkbox"/>		<small>Note: Not all types of wells are permitted by a given permitting authority</small>					
10. Distance from Septic System if > 200 ft.		11. Facility Description					
13. Estimated Well Depth 45 ft		12. Estimated Start Date 04/20/2012					
14. Estimated Screen Interval From 35.0 To 45.0 ft		15. Primary Casing Material: <input checked="" type="checkbox"/> Black Steel <input type="checkbox"/> Galvanized <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Stainless Steel					
		<input type="checkbox"/> Not Cased <input type="checkbox"/> Other:					
16. Secondary Casing: <input type="checkbox"/> Telescope Casing <input type="checkbox"/> Liner <input type="checkbox"/> Surface Casing Diameter _____ in.							
17. Secondary Casing Material: <input type="checkbox"/> Black Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> PVC <input type="checkbox"/> Stainless Steel <input type="checkbox"/> Other							
18. Method of Construction, Repair, or Abandonment: <input checked="" type="checkbox"/> Auger <input type="checkbox"/> Cable Tool <input type="checkbox"/> Jetted <input type="checkbox"/> Rotary <input type="checkbox"/> Sonic							
		<input type="checkbox"/> Combination (Two or More Methods) <input type="checkbox"/> Hand Driven (Well Point, Sand Point) <input type="checkbox"/> Hydraulic Point (Direct Push)					
		<input type="checkbox"/> Horizontal Drilling <input type="checkbox"/> Plugged by Approved Method <input type="checkbox"/> Other					
19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:							
From 0.0 To 28.0 Seal Material (<input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> Other)							
From To Seal Material (<input type="checkbox"/> Bentonite <input type="checkbox"/> Neat Cement <input type="checkbox"/> Other)							
From To Seal Material (<input type="checkbox"/> Bentonite <input type="checkbox"/> Neat Cement <input type="checkbox"/> Other)							
From To Seal Material (<input type="checkbox"/> Bentonite <input type="checkbox"/> Neat Cement <input type="checkbox"/> Other)							
20. Indicate total number of existing wells on site 1		List number of existing unused wells on site 0					
21. Is this well or any existing well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, complete the following: CUP/WUP No. _____ District Well ID No. _____							
22. Latitude 28 44 19.23		Longitude 82 05 24.02					
23. Data Obtained From: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Map <input type="checkbox"/> Survey		Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83 <input type="checkbox"/> WGS 84					
<p><small>I, the undersigned, with the agreement of my attorney, if any, have read and understood the information contained in this application, and that I am aware that this application is subject to review and approval by the Florida Department of Environmental Protection (DEP). I understand that DEP may require additional information or documentation before issuing a permit. I understand that DEP may require me to make changes to my proposed activities if they determine that they are not in compliance with state and federal laws and regulations. I understand that DEP may require me to obtain a separate permit for certain activities, such as surface water discharge, which may be subject to different laws and regulations than those contained in this application. I understand that DEP may require me to obtain a separate permit for certain activities, such as surface water discharge, which may be subject to different laws and regulations than those contained in this application.</small></p>							
Digitally Signed Signature of Contractor:		7154 License No.	Digitally Signed Signature of Owner or Agent				
DO NOT WRITE BELOW THIS LINE FOR OFFICIAL USE ONLY							
Approval Granted By _____		Issue Date _____	Expiration Date _____		Hydrologist Approval _____		
Fee Received \$50.00		Receipt No. 8089950	Check No. _____				
<p><small>THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WID OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, REPAIR, MODIFICATION, OR ABANDONMENT ACTIVITIES.</small></p>							

In this context, it is important to note that the average age of the population in India is 25 years, which is one of the youngest in the world. This has led to a significant increase in the consumption of fast food, which is a relatively new concept in Indian culture. The younger generation is more inclined towards fast food due to its convenience, taste, and affordability. In addition, the influence of Western culture and media has also contributed to the popularity of fast food in India.

Digitally Signed

Signature of Contractor:

7154

License No.

Digitally Signed

Signature of Owner or Agent

Date _____

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5-12 3.50.0

278

ANSWERING QUESTIONS

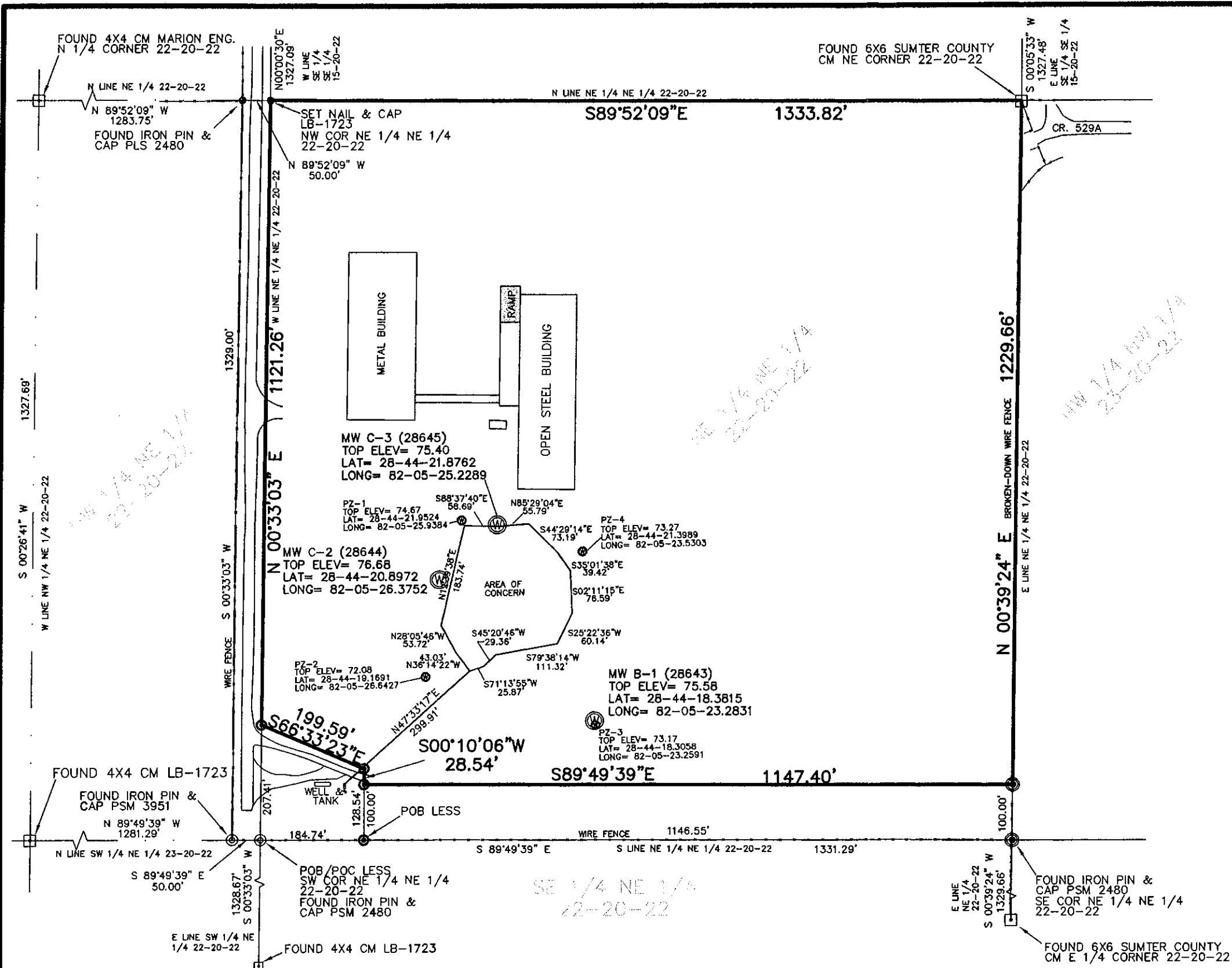
第六章 亂世之亂世之亂世

• 475 • 523 • 700 • 20

THIS PERMIT IS NOT VALID UNTIL PROPERTY OWNED OR HELD OR AGREED TO OWN BY THE LAND OWNER IS DELIVERED. ACTIVATION OF THIS PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, REPAIR, MODIFICATION, OR ABANDONMENT ACTIVITIES.

APPENDIX III
COPY OF SURVEY





SPECIFIC PURPOSE SURVEY

DRAWN BY:	SBW	DATE:	05/03/2011
CHECKED BY:	SBW	DRAWING NO.:	3
JOB NO.:	11005	SHEET	1 OF 1

REVISIONS: ADD MONITORING WELLS LOCATION AND INFORMATION 04/02/12
REVISIONS: ADD PIEZOMETER LOCATION AND INFORMATION 10/11/11

WILEY SURVEYING AND MAPPING INC.

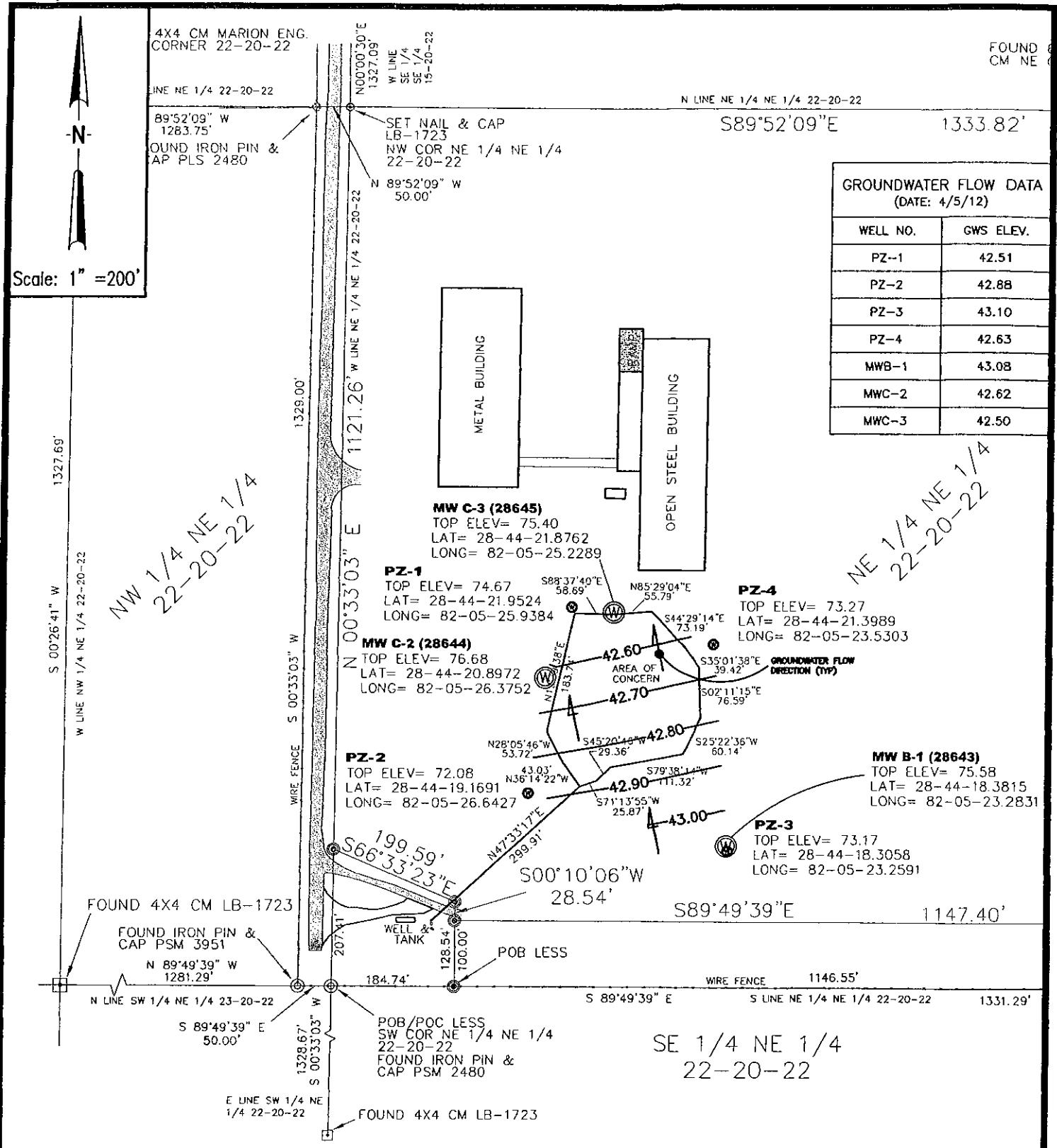
11929 GARRISON LANE
UMATILLA, FLORIDA 32784
PHONE: (352) 669-6046
CELL: (352) 267-2364
WILEYSURVEYING@GMAIL.COM

PROFESSIONAL SURVEYORS AND MAPPERS

APPENDIX IV

**TABLE OF GROUNDWATER ELEVATIONS
&
GROUDWATER FLOW MAPS**





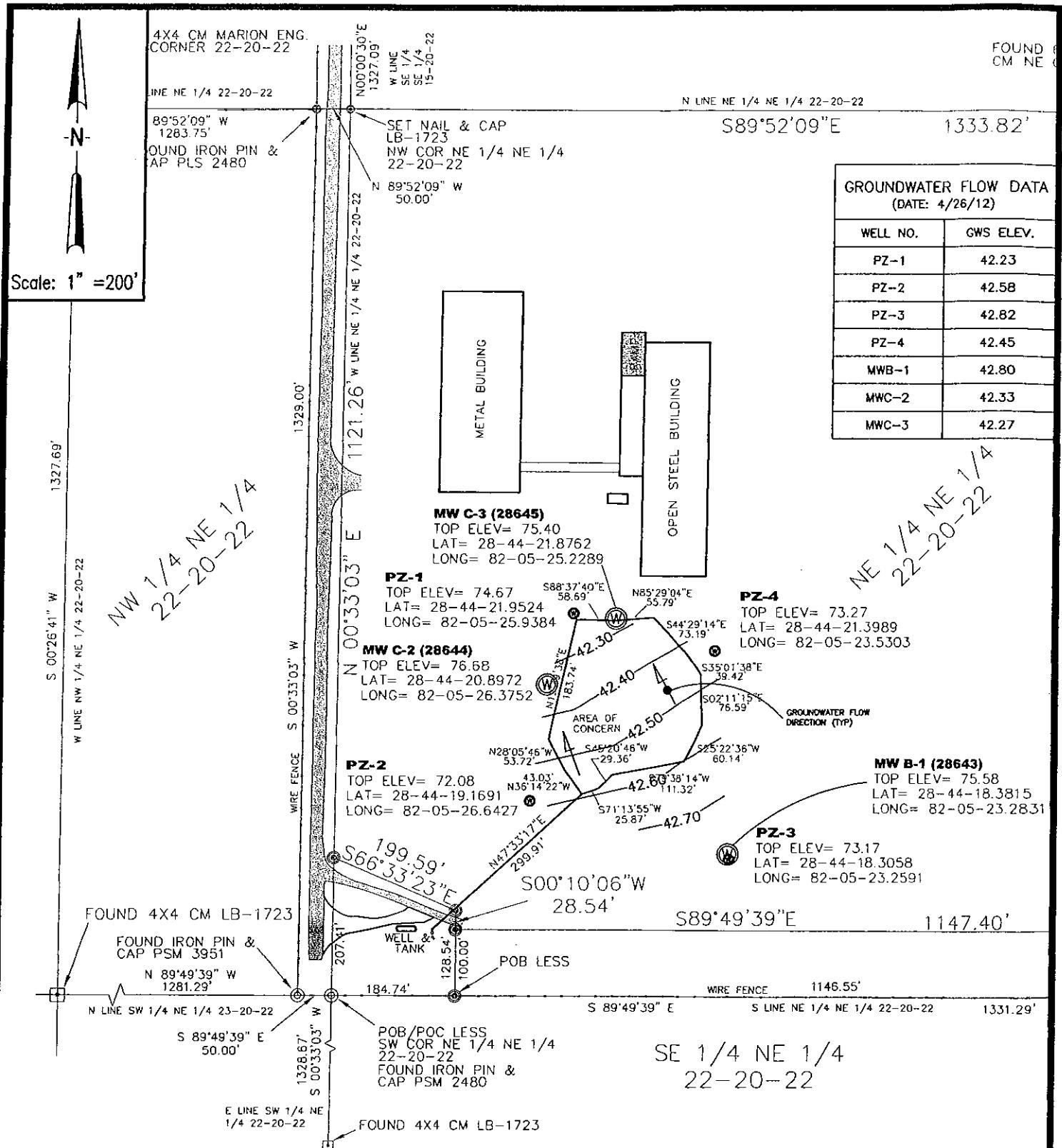
SOURCE: Wiley Surveying and Mapping Base Map w/Monitoring Wells

Central Testing Laboratory, Inc.
130 Satellite Court
Leesburg, Florida 34748
(352) 787-1268
Cert. of Auth. 2407

Sumter County Groundwater Monitoring Plan

Proj. No.:	Date:
1184094.200	May 23, 2012
Drawn By:	Checked By:
B. Ginn	B. Ginn

Figure 5
Groundwater Flow Map - 4-5-12



SOURCE: Wiley Surveying and Mapping Base Map w/Monitoring Wells

Central Testing Laboratory, Inc.
130 Satellite Court
Leesburg, Florida 34748
(352) 787-1268
Cert. of Auth. 2407

Sumter County Groundwater Monitoring Plan

Proj. No.: 1184094.200 Date: May 23, 2012

Drawn By: B. Ginn Checked By: B. Ginn

Figure 5
Groundwater Flow Map - 4-26-12

APPENDIX V
GROUNDWATER SAMPLING LOGS



ADVANCED ENVIRONMENTAL LABORATORIES, INC.
GROUNDWATER SAMPLING LOG
4965 SW 41ST BLVD. GAINESVILLE, FL 32608

SITE NAME: Central Testing		SITE LOCATION: Sumter Landfill									
WELL NO: MWB-1	SAMPLE ID:		DATE: 4/26/12								
PURGING DATA											
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH (feet) TO WATER (feet)	STATIC DEPTH TO WATER (feet): 32.78								
PURGE PUMP TYPE OR BAILER: ESP											
WELL VOLUME PURGE: WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (40.00 feet - 32.78 feet) x .16 gallons/foot = 1.15 gallons											
EQUIPMENT VOLUME PURGE: EQUIPMENT VOLUME = (TUBING CAPACITY - (TUBING LENGTH / FLOW CELL VOLUME (GALLONS/FEET)) * (PUMP VOLUME / (TUBING CAPACITY))) X (TUBING LENGTH / FLOW CELL VOLUME (GALLONS/FEET))											
= (1.25 gallons + (1.25 gallons/feet x 35 feet)) x 1.25 gallons/feet = 3.25 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 35	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 35	PURGING INITIATED AT: 9:14	PURGING ENDED AT: 9:39								
TOTAL VOLUME PURGED (gallons): 4.75											
TIME	VOLUME PURGED (gallons)	CUMUL VOL. Purged (Gallons)	Purge Rate (GPM)	pH (standard units)	Temp. (C)	COND. (circle units) µmhos/cm or 1/S cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	Turbidity (NTU)	Depth to water (feet)	COLOR (describe)	ODOR (describe)
9:21	1.25	—	.178	7.07	23.4	959	2.20	229	32.92	Cloudy	No
9:24	.5	1.75	.166	7.04	23.4	957	2.16	138	32.92	Cloudy	No
9:27	.5	2.25	.166	7.02	23.5	956	2.20	78.5	32.90	Cloudy	No
9:31	.5	2.75	.125	7.01	23.5	953	1.95	57.6	32.90	No	No
9:35	.5	3.25	.125	6.99	23.7	954	2.32	33.1	33.90	No	No
9:39	.5	4.75	.125	6.98	23.7	959	2.43	43.5	33.90	No	No
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal/ft): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 6/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											
SAMPLING DATA											
SAMPLED BY (PRINT)/ AFFILIATION: Frankie Allen / AEL			Sampler's Signature: <i>Frankie Allen</i>			SAMPLING INITIATED AT: 9:40		SAMPLING ENDED AT: 10:04			
PUMP OR TUBING DEPTH IN WELL (feet): 35			TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> FILTER SIZE: _____ µm Filtration Equipment Type:					
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> Dedicated						DUPLICATE: Y <input checked="" type="checkbox"/>					
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		Sample Pump Flow Rate (ml/min)	
# CONTAINERS	MATERIAL CODE	VOLUME	Preservative Used	TOTAL VOL ADDED IN FIELD (mL)		FINAL pH					
				See Chain							
REMARKS: Depth to water for piezometers , PZ-1 32.44 , PZ-2 29.50 , PZ-3 30.35 , PZ-4 30.82											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RPPP = Reverse Flow Peristaltic Pump; O = Other (Specify)											

ADVANCED ENVIRONMENTAL LABORATORIES, INC.
GROUNDWATER SAMPLING LOG
4965 SW 41ST BLVD. GAINESVILLE, FL 32608

SITE NAME: Central Testing	SITE LOCATION: Sumter Landfill
WELL NO: MWG-2	SAMPLE ID: DATE: 4/26/12

PURGING DATA											
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 1 feet to 16 feet	STATIC DEPTH TO WATER (feet): 34.35	PURGE PUMP TYPE OR BAILER: ESP							
WELL VOLUME PURGE: WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only if tool 9 applicable)					$= (40.00 \text{ feet} - 34.35 \text{ feet}) \times .16 \text{ gallons/foot} = .90 \text{ gallons}$						
EQUIPMENT VOLUME PURGE: (EQUIPMENT VOL. - PUMP VOLUME + TUBING CAPACITY) X TUBING LENGTH / FLOW CELL VOLUME (only if tool 9 applicable)											
gallons + (gallons/foot X feet) / gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 36	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 36	PURGING INITIATED AT: 11:20	PURGING ENDED AT: 11:56	TOTAL VOLUME PURGED (gallons): 3.5							
TIME	VOLUME PURGED (gallons)	CUMUL. VOL Purged (Gallons)	Purge Rate (GPM)	pH (standard units)	Temp. (°C)	COND. (circle units) ppm/cm or ppm/m	DISSOLVED OXYGEN (circle units) mg/L or % saturation	Turbidity (NTU)	Depth to water (feet)	COLOR (describe)	ODOR (describe)
11:26	1	—	.166	6.86	26.2	1125	1.00	1082	34.50	Cloudy	No
11:32	.5	1.5	.083	6.77	27.2	1242	.55	377	34.46	Cloudy	No
11:38	.5	2	.083	6.74	27.5	1260	.52	182	34.48	Cloudy	No
11:44	.5	2.5	.083	6.72	27.8	1261	.39	130	34.46	Cloudy	No
11:50	.5	3	.083	6.71	27.8	1269	.51	86.3	34.44	No	No
11:56	.5	3.5	.083	6.70	28.0	1273	.47	72.3	34.47	No	No
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.68 TUBING INSIDE DIA. CAPACITY (Gal/Ft): 18" = 0.0006; 316" = 0.0014; 4" = 0.0026; 516" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Baile; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION Frankie Allen / AEL			Sampler's Signature: <i>Frankie Allen</i>		SAMPLING INITIATED AT: 11:58	SAMPLING ENDED AT: 12:13	
PUMP OR TUBING DEPTH IN WELL (feet): 36			TUBING MATERIAL CODE: PK	FIELD-FILTERED: Y N	FILTER SIZE: 10 μm		
FIELD DECONTAMINATION: PUMP Y N			TUBING Y Dedicated	DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	Sample Pump Flow Rate (ml/min)
# CONTAINERS	MATERIAL CODE	VOLUME	Preservative Used	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
REMARKS:							

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Baile; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; O = Other (Specify)

ADVANCED ENVIRONMENTAL LABORATORIES, INC.
GROUNDWATER SAMPLING LOG
4965 SW 41ST BLVD. GAINESVILLE, FL 32608

SITE NAME: Central Testing	SITE LOCATION: Sumter Landfill										
WELL NO: MWC-3	SAMPLE ID:										
DATE: 4/26/12											
PURGING DATA											
WELL DIAMETER (inches) 2	TUBING DIAMETER (inches) 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet 33.13	STATIC DEPTH TO WATER (feet) 33.13	PURGE PUMP TYPE OR SAILER: ESP							
WELL VOLUME PURGE: WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
$= (40.00 \text{ feet} - 33.13 \text{ feet}) \times .16 \text{ gallons/foot} = 1.09 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
$= (\text{gallons} + (\text{gallons/foot} \times \text{feet})) \text{ gallons} = \text{gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 35	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 35	PURGING INITIATED AT: 10:14	PURGING ENDED AT: 10:34	TOTAL VOLUME PURGED (gallons): 3.75							
TIME	VOLUME PURGED (gallons)	CUMUL. VOL. Purged (gallons)	Purge Rate (GPM)	pH (standard units)	Temp. (°C)	COND. (degree units) mmhos/cm or °Stm	DISSOLVED OXYGEN (degree units) mg/L or % saturation	Turbidity (NTU)	Depth to water (feet)	COLOR (describe)	ODOR (describe)
10:18	1.25	—	.312	6.89	25.4	1340	1.00	348	33.20	Cloudy	No
10:22	.5	1.75	.166	6.80	25.6	1407	.74	126	33.20	Cloudy	No
10:25	.5	2.25	.166	6.73	25.8	1465	.56	36.7	33.20	No	No
10:28	.5	2.75	.166	6.71	25.9	1470	.54	26.3	33.20	No	No
10:31	.5	3.25	.166	6.70	26.0	1468	.51	21.1	33.20	No	No
10:34	.5	3.75	.166	6.69	26.0	1466	.46	18.1	33.20	No	No
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.69; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE dia. CAPACITY (Gal/Ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.0034; 3/8" = 0.008; 1/2" = 0.016; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											
SAMPLING DATA											
SAMPLED BY (PRINT) / AFFILIATION: Frankie Allen / AEL			Sampler's Signature: <i>Frankie Allen</i>			SAMPLING INITIATED AT: 10:36		SAMPLING ENDED AT: 10:54			
PUMP OR TUBING DEPTH IN WELL (feet): 35			TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y N Filteration Equipment Type:		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y N			TUBING Y Dedicated			DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		Sample Pump Flow Rate (ml/min.)	
CONTAINERS	MATERIAL COSE	VOLUME	Preservative Used	TOTAL VOL ADDED IN FIELD (mL)		FINAL pH					
				See Chain							
REMARKS:											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; O = Other (Specify)											



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Miramar: 10209 USA Today Way, Miramar, FL 33025 • 954.889.2285 • Fax 954.889.2281
Tallahassee: 1289 Cedar Center Drive, Tallahassee, FL 32301 • 850.219.6274 • Fax 850.219.6275
Tampa: 9810 Princess Palm Ave. • Tampa, FL 33619 • 813.930.9616 • Fax 813.930.4327

Matrix Code: WW = water/water SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SI = sediments Preservation Code: L = no restriction S = unrestricted N = limited T = total

Recovered on ice Yes No Was taken from sample

Temp from Blanks

Whitman on education 111-112

111

Form revised 06/05/2010

Form Revised 08/2010

Unique Identifier (circle [R] items you used) T-9A T-11-1 T-11-2 T-12A T-12B T-13A T-13B

Reinforced by	Date	Time	Received by	Date	Time
1 F.M.L.	12/12/1940		Bitter, Miller	4/26	14:45
2					
3					
4					

FOR DRINKING WATER USE (When PWS Information not otherwise supplied)	
PWS ID:	
Contact Person:	Phone:
Supplier of Water:	
Site-Address:	

APPENDIX VI

RESULTS OF LABORATORY TESTING

DL



Advanced
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Advanced Environmental Laboratories, Inc.
4965 SW 41st Blvd
Gainesville, FL 32608
Phone: (352) 377-2349
Fax: (352) 395-6639

May 14, 2012

Theodore J. Strouse
Central Testing Laboratory, Inc.
130 Satellite Court
Leesburg, FL 34748

RE: Workorder: G1202215 INITIAL MONITORING

Dear Theodore Strouse:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, April 26, 2012. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Karen Daniels".

Karen Daniels
KDaniels@AEELab.com

Enclosures

Report ID: 210187 - 395707

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SAMPLE SUMMARY

Workorder: G1202215 INITIAL MONITORING

Lab ID	Sample ID	Matrix	Date Collected	Date Received
G1202215001	MWB-1	Water	4/26/2012 10:04	4/26/2012 14:40
G1202215002	MWC-2	Water	4/26/2012 12:13	4/26/2012 14:40
G1202215003	MWC-3	Water	4/26/2012 10:54	4/26/2012 14:40

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215001	Date Received: 04/26/12 14:40	Matrix: Water
Sample ID: MWB-1	Date Collected: 04/26/12 10:04	

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance								
Conductance	959	umhos/cm		1			5/14/2012 15:36	
Dissolved Oxygen	2.43	mg/L		1			5/14/2012 15:36	
Groundwater Elevation	32.78	feet		1			5/14/2012 15:36	
Temperature	23.7	°C		1			5/14/2012 15:36	
Turbidity	43.5	NTU		1			5/14/2012 15:36	
pH	6.98	pH unit		1			5/14/2012 15:36	
METALS								
Analysis Desc: SW846 6010B								
Analysis,Water								
Preparation Method: SW-846 3010A								
Barium	22	ug/L		1	2.0	0.28	5/1/2012 14:26	J
Beryllium	0.29	ug/L	I	1	0.30	0.13	5/1/2012 14:26	J
Iron	370	ug/L		1	200	38	5/1/2012 14:26	J
Sodium	54	mg/L	V	1	0.20	0.026	5/1/2012 14:26	J
Tin	2.4	ug/L	U	1	20	2.4	5/1/2012 14:26	J
Vanadium	27	ug/L		1	1.5	0.18	5/1/2012 14:26	J
Zinc	6.7	ug/L	I	1	10	2.0	5/1/2012 14:26	J
Analysis Desc: SW846 6020B								
Analysis,Total								
Preparation Method: SW-846 3010A								
Antimony	0.25	ug/L	I,V	1	0.60	0.073	5/7/2012 22:54	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	5/3/2012 22:58	J
Cadmium	2.0	ug/L		1	0.50	0.14	5/3/2012 22:58	J
Chromium	15	ug/L		1	2.0	1.0	5/3/2012 22:58	J
Cobalt	3.5	ug/L		1	0.50	0.053	5/3/2012 22:58	J
Copper	4.0	ug/L		1	0.70	0.10	5/3/2012 22:58	J
Lead	1.8	ug/L		1	0.70	0.076	5/7/2012 22:54	J
Nickel	4.0	ug/L		1	1.0	0.083	5/7/2012 22:54	J
Selenium	2.2	ug/L	U	1	5.0	2.2	5/3/2012 22:58	J
Silver	0.074	ug/L	I	1	0.30	0.059	5/3/2012 22:58	J
Thallium	0.26	ug/L		1	0.20	0.067	5/3/2012 22:58	J
Analysis Desc: SW846 7470A								
Analysis,Water								
Preparation Method: SW-846 7470A								
Mercury	0.000055	mg/L	I	1	0.00010	0.000014	5/10/2012 11:39	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID:	G1202215001	Date Received:	04/26/12 14:40	Matrix:	Water
Sample ID:	MWB-1	Date Collected:	04/26/12 10:04		

Parameters	Results	Units	Qual	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
SEMOVOLATILES														
Analysis Desc: 8141A Org Phos														
Preparation Method: SW-846-3510C														
Pesticide Analysis, Water														
Analytical Method: EPA 8141														
Dimethoate	0.054	ug/L	U	1	0.20	0.054	5/9/2012 18:28	J						
Disulfoton	0.041	ug/L	U	1	0.20	0.041	5/9/2012 18:28	J						
Famphur	0.11	ug/L	U	1	0.20	0.11	5/9/2012 18:28	J						
Methyl Parathion	0.054	ug/L	U	1	0.20	0.054	5/9/2012 18:28	J						
Parathion (Ethyl)	0.064	ug/L	U	1	0.20	0.064	5/9/2012 18:28	J						
Phorate	0.044	ug/L	U	1	0.20	0.044	5/9/2012 18:28	J						
Tributylphosphate (S)	106	%		1	70-130		5/9/2012 18:28	J						
Analysis Desc: 8151A Herbicides														
Preparation Method: 8151														
Analysis, Water														
Analytical Method: EPA 8151														
2,4,5-T	0.33	ug/L	U	1	2.0	0.33	5/8/2012 00:47	J						
2,4-D	1.3	ug/L	U	1	6.0	1.3	5/8/2012 00:47	J						
Dinoseb	0.51	ug/L	U	1	2.0	0.51	5/8/2012 00:47	J						
Pentachlorophenol	0.29	ug/L	U	1	1.0	0.29	5/8/2012 00:47	J						
Silvex (2,4,5-TP)	0.30	ug/L	U	1	2.0	0.30	5/8/2012 00:47	J						
2,4-Dichlorophenylacetic (S)	90	%		1	51-122		5/8/2012 00:47	J						
Analysis Desc: SW 8011 Analysis, Water														
Preparation Method: SW-846-8011														
Analytical Method: SW-846-8011														
1,2-Dibromo-3-Chloropropane	0.0060	ug/L	U	1	0.020	0.0060	5/3/2012 17:36	J						
Ethylene Dibromide (EDB)	0.0062	ug/L	U	1	0.020	0.0062	5/3/2012 17:36	J						
Tetrachloro-m-xylene (S)	145	%		1	40.3-190		5/3/2012 17:36							
Analysis Desc: 8081A Pesticide														
Preparation Method: SW-846-3510C														
Analysis, Water														
Analytical Method: SW-846-8081A														
4,4'-DDD	0.0016	ug/L	U	1	0.020	0.0016	5/7/2012 16:36	J						
4,4'-DDE	0.0037	ug/L	U	1	0.020	0.0037	5/7/2012 16:36	J						
4,4'-DDT	0.0021	ug/L	U	1	0.020	0.0021	5/7/2012 16:36	J						
Aldrin	0.0019	ug/L	U	1	0.020	0.0019	5/7/2012 16:36	J						
Chlordane (technical)	0.047	ug/L	U	1	0.20	0.047	5/7/2012 16:36	J						
Dieldrin	0.0011	ug/L	U	1	0.020	0.0011	5/7/2012 16:36	J						
Endosulfan I	0.0031	ug/L	U	1	0.020	0.0031	5/7/2012 16:36	J						
Endosulfan II	0.0026	ug/L	U	1	0.020	0.0026	5/7/2012 16:36	J						
Endosulfan Sulfate	0.0032	ug/L	U	1	0.020	0.0032	5/7/2012 16:36	J						
Endrin	0.0017	ug/L	U	1	0.020	0.0017	5/7/2012 16:36	J						

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215001

Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWB-1

Date Collected: 04/26/12 10:04

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted		Analyzed	Lab
					PQL	MDL		
Endrin Aldehyde	0.0025	ug/L	U	1	0.020	0.0025	5/7/2012 16:36	J
Heptachlor	0.0035	ug/L	U	1	0.020	0.0035	5/7/2012 16:36	J
Heptachlor Epoxide	0.0017	ug/L	U	1	0.020	0.0017	5/7/2012 16:36	J
Methoxychlor	0.0058	ug/L	U	1	0.020	0.0058	5/7/2012 16:36	J
Toxaphene	0.11	ug/L	U	1	0.20	0.11	5/7/2012 16:36	J
alpha-BHC	0.0030	ug/L	U	1	0.020	0.0030	5/7/2012 16:36	J
beta-BHC	0.0019	ug/L	U	1	0.020	0.0019	5/7/2012 16:36	J
delta-BHC	0.00086	ug/L	U	1	0.020	0.00086	5/7/2012 16:36	J
gamma-BHC (Lindane)	0.0018	ug/L	U	1	0.020	0.0018	5/7/2012 16:36	J
Tetrachloro-m-xylene (S)	87	%		1	26-133		5/7/2012 16:36	
Decachlorobiphenyl (S)	61	%		1	26-157		5/7/2012 16:36	

Analysis Desc: 8082A PCB Analysis

Preparation Method: SW-846 3510C

Water

Analytical Method: SW-846 8082A

Aroclor 1016 (PCB-1016)

0.073 ug/L	U	1	0.20	0.073	5/7/2012 16:36	J
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Aroclor 1221 (PCB-1221)

0.11 ug/L	U	1	0.20	0.11	5/7/2012 16:36	J
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Aroclor 1232 (PCB-1232)

0.097 ug/L	U	1	0.20	0.097	5/7/2012 16:36	J
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Aroclor 1242 (PCB-1242)

0.096 ug/L	U	1	0.20	0.096	5/7/2012 16:36	J
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Aroclor 1248 (PCB-1248)

0.067 ug/L	U	1	0.20	0.067	5/7/2012 16:36	J
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Aroclor 1254 (PCB-1254)

0.051 ug/L	U	1	0.20	0.051	5/7/2012 16:36	J
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Aroclor 1260 (PCB-1260)

0.052 ug/L	U	1	0.20	0.052	5/7/2012 16:36	J
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Tetrachloro-m-xylene (S)

87 %		1	32-124		5/7/2012 16:36	
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Decachlorobiphenyl (S)

61 %		1	29-144		5/7/2012 16:36	
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Analysis Desc: 8270C Analysis, Water

Preparation Method: SW-846 3510C

1,2,4,5-Tetrachlorobenzene

1.4 ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
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1,2,4-Trichlorobenzene

1.4 ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
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1,2-Dichlorobenzene

1.1 ug/L	U	1	5.0	1.1	5/9/2012 03:08	J
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1,2-Diphenylhydrazine

3.1 ug/L	U	1	5.0	3.1	5/9/2012 03:08	J
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1,3,5-Trinitrobenzene

1.0 ug/L	U	1	10	1.0	5/9/2012 03:08	J
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1,3-Dichlorobenzene

1.3 ug/L	U	1	5.0	1.3	5/9/2012 03:08	J
----------	---	---	-----	-----	----------------	---

1,3-Dinitrobenzene

1.8 ug/L	U	1	5.0	1.8	5/9/2012 03:08	J
----------	---	---	-----	-----	----------------	---

1,4-Dichlorobenzene

1.4 ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
----------	---	---	-----	-----	----------------	---

1,4-Naphthoquinone

1.3 ug/L	U	1	5.0	1.3	5/9/2012 03:08	J
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1,4-Phenylenediamine

8.2 ug/L	U	1	80	8.2	5/9/2012 03:08	J
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1-Naphthylamine

1.7 ug/L	U	1	5.0	1.7	5/9/2012 03:08	J
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2,3,4,6-Tetrachlorophenol

0.62 ug/L	U	1	5.0	0.62	5/9/2012 03:08	J
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2,4,5-Trichlorophenol

1.7 ug/L	U	1	5.0	1.7	5/9/2012 03:08	J
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2,4,6-Trichlorophenol

0.61 ug/L	U	1	5.0	0.61	5/9/2012 03:08	J
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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215001 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWB-1 Date Collected: 04/26/12 10:04

Parameters	Results	Units	Location:		PQL	Adjusted	MDL	Analyzed	Lab
			Qual	DF					
2,4-Dichlorophenol	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J	
2,4-Dimethylphenol	0.82	ug/L	U	1	5.0	0.82	5/9/2012 03:08	J	
2,4-Dinitrophenol	4.4	ug/L	U	1	10	4.4	5/9/2012 03:08	J	
2,4-Dinitrotoluene (2,4-DNT)	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:08	J	
2,6-Dichlorophenol	0.64	ug/L	U	1	5.0	0.64	5/9/2012 03:08	J	
2,6-Dinitrotoluene (2,6-DNT)	1.7	ug/L	U	1	5.0	1.7	5/9/2012 03:08	J	
2-Acetylaminofluorene	0.95	ug/L	U	1	5.0	0.95	5/9/2012 03:08	J	
2-Chloronaphthalene	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:08	J	
2-Chlorophenol	0.72	ug/L	U	1	5.0	0.72	5/9/2012 03:08	J	
2-Methyl-4,6-dinitrophenol	2.0	ug/L	U	1	10	2.0	5/9/2012 03:08	J	
2-Methylphenol (o-Cresol)	0.56	ug/L	U	1	5.0	0.56	5/9/2012 03:08	J	
2-Naphthylamine	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:08	J	
2-Nitroaniline	1.8	ug/L	U	1	5.0	1.8	5/9/2012 03:08	J	
2-Nitrophenol	0.87	ug/L	U	1	5.0	0.87	5/9/2012 03:08	J	
2-Picoline (2-Methylpyridine)	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:08	J	
3+4-Methylphenol(mp-Cresol)	1.5	ug/L	U	1	10	1.5	5/9/2012 03:08	J	
3,3'-Dimethylbenzidine	1.0	ug/L	U	1	10	1.0	5/9/2012 03:08	J	
3,3'-Dichlorobenzidine	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J	
3-Methylcholanthrene	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:08	J	
3-Nitroaniline	2.0	ug/L	U	1	5.0	2.0	5/9/2012 03:08	J	
4-Aminobiphenyl	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J	
4-Bromophenyl Phenyl Ether	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J	
4-Chloro-3-methylphenol	0.68	ug/L	U	1	5.0	0.68	5/9/2012 03:08	J	
4-Chloroaniline	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:08	J	
4-Chlorophenyl Phenyl Ether	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:08	J	
4-Dimethyl aminoazobenzene	1.6	ug/L	U	1	10	1.6	5/9/2012 03:08	J	
4-Nitroaniline	2.6	ug/L	U	1	5.0	2.6	5/9/2012 03:08	J	
4-Nitrophenol	1.6	ug/L	U	1	10	1.6	5/9/2012 03:08	J	
5-Nitro-o-toluidine	1.0	ug/L	U	1	10	1.0	5/9/2012 03:08	J	
7,12-Dimethylbenz[a]anthracene	1.8	ug/L	U	1	5.0	1.8	5/9/2012 03:08	J	
Acetophenone	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J	
Aniline	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:08	J	
Benzidine	0.90	ug/L	U	1	5.0	0.90	5/9/2012 03:08	J	
Benzoic Acid	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:08	J	
Benzyl Alcohol	0.66	ug/L	U	1	5.0	0.66	5/9/2012 03:08	J	
Butyl benzyl phthalate	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:08	J	
Chlorobenzilate	1.4	ug/L	U	1	10	1.4	5/9/2012 03:08	J	
Di-n-Butyl Phthalate	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:08	J	
Di-n-octyl Phthalate	2.0	ug/L	U	1	5.0	2.0	5/9/2012 03:08	J	
Diallate	0.75	ug/L	U	1	5.0	0.75	5/9/2012 03:08	J	

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215001 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWB-1 Date Collected: 04/26/12 10:04

Parameters	Results	Units	Location:		Adjusted PQL	MDL	Adjusted Analyzed	Lab
			Qual	DF				
Dibenzofuran	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
Diethyl phthalate	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:08	J
Dimethyl phthalate	2.3	ug/L	U	1	5.0	2.3	5/9/2012 03:08	J
Diphenylamine	2.6	ug/L	U	1	10	2.6	5/9/2012 03:08	J
Ethyl methanesulfonate	0.97	ug/L	U	1	5.0	0.97	5/9/2012 03:08	J
Hexachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
Hexachlorobutadiene	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J
Hexachlorocyclopentadiene	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:08	J
Hexachloroethane	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:08	J
Hexachloropropene	1.1	ug/L	U	1	10	1.1	5/9/2012 03:08	J
Isodrin	1.4	ug/L	U	1	10	1.4	5/9/2012 03:08	J
Isophorone	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:08	J
Isosafrole	1.5	ug/L	U	1	10	1.5	5/9/2012 03:08	J
Kepone	74	ug/L	U	1	80	74	5/9/2012 03:08	J
Methapyrilene	55	ug/L	U	1	80	55	5/9/2012 03:08	J
Methyl Methanesulfonate	0.68	ug/L	U	1	5.0	0.68	5/9/2012 03:08	J
N-Nitrosodi-n-butylamine	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J
N-Nitrosodi-n-propylamine	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:08	J
N-Nitrosodiethylamine	1.7	ug/L	U	1	5.0	1.7	5/9/2012 03:08	J
N-Nitrosodimethylamine	0.66	ug/L	U	1	5.0	0.66	5/9/2012 03:08	J
N-Nitrosodiphenylamine	2.6	ug/L	U	1	10	2.6	5/9/2012 03:08	J
N-Nitrosomethylethylamine	2.1	ug/L	U	1	5.0	2.1	5/9/2012 03:08	J
N-Nitrosopiperidine	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J
N-Nitrosopyrrolidine	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:08	J
Nitrobenzene	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:08	J
Nitroquinoline-1-oxide	3.5	ug/L	U	1	10	3.5	5/9/2012 03:08	J
Pentachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
Pentachloronitrobenzene	2.0	ug/L	U	1	5.0	2.0	5/9/2012 03:08	J
Phenacetin	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:08	J
Phenol	0.60	ug/L	U	1	5.0	0.60	5/9/2012 03:08	J
Pronamide (Kerb)	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
Safrole	1.0	ug/L	U	1	10	1.0	5/9/2012 03:08	J
Thionazin (Zinophos)	0.58	ug/L	U	1	5.0	0.58	5/9/2012 03:08	J
a,a-Dimethylphenethylamine	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
bis(2-Chloroethoxy)methane	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:08	J
bis(2-Chloroethyl)Ether	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:08	J
bis(2-Chloroisopropyl) Ether	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
bis(2-Ethylhexyl) phthalate	1.9	ug/L	U	1	5.0	1.9	5/9/2012 03:08	J
o,o,o-Triethylphosphorothioate	1.2	ug/L	U	1	10	1.2	5/9/2012 03:08	J
o-Toluidine	1.3	ug/L	U	1	10	1.3	5/9/2012 03:08	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID:	G1202215001	Date Received:	04/26/12 14:40	Matrix:	Water
Sample ID:	MWB-1	Date Collected:	04/26/12 10:04		

Parameters	Sample Description:			Location:			Adjusted PQL	Adjusted MDL	Adjusted Analyzed	Lab
	Results	Units	Qual	DF						
2-Fluorophenol (S)	36	%		1			10-90		5/9/2012 03:08	
Phenol-d6 (S)	29	%		1			10-67		5/9/2012 03:08	
Nitrobenzene-d5 (S)	87	%		1			32-147		5/9/2012 03:08	
2-Fluorobiphenyl (S)	80	%		1			34-140		5/9/2012 03:08	
2,4,6-Tribromophenol (S)	44	%		1			19-190		5/9/2012 03:08	
p-Terphenyl-d14 (S)	79	%		1			54-138		5/9/2012 03:08	

Analysis Desc: 8270C-SIM Analysis,
Water

Preparation Method: SW-846 3510C
Analytical Method: SW-846 8270C (SIM)

1-Methylnaphthalene	0.018	ug/L	U	1	0.20	0.018	5/1/2012 13:25	J
2-Methylnaphthalene	0.045	ug/L	U	1	0.20	0.045	5/1/2012 13:25	J
Acenaphthene	0.034	ug/L	U	1	0.20	0.034	5/1/2012 13:25	J
Acenaphthylene	0.030	ug/L	U	1	0.20	0.030	5/1/2012 13:25	J
Anthracene	0.028	ug/L	U	1	0.20	0.028	5/1/2012 13:25	J
Benzo[a]anthracene	0.026	ug/L	U	1	0.20	0.026	5/1/2012 13:25	J
Benzo[a]pyrene	0.024	ug/L	U	1	0.20	0.024	5/1/2012 13:25	J
Benzo[b]fluoranthene	0.040	ug/L	U	1	0.20	0.040	5/1/2012 13:25	J
Benzo[g,h,i]perylene	0.034	ug/L	U	1	0.20	0.034	5/1/2012 13:25	J
Benzo[k]fluoranthene	0.058	ug/L	U	1	0.20	0.058	5/1/2012 13:25	J
Chrysene	0.041	ug/L	U	1	0.20	0.041	5/1/2012 13:25	J
Dibenz[a,h]anthracene	0.042	ug/L	U	1	0.20	0.042	5/1/2012 13:25	J
Fluoranthene	0.027	ug/L	U	1	0.20	0.027	5/1/2012 13:25	J
Fluorene	0.030	ug/L	U	1	0.20	0.030	5/1/2012 13:25	J
Indeno(1,2,3-cd)pyrene	0.048	ug/L	U	1	0.20	0.048	5/1/2012 13:25	J
Naphthalene	0.053	ug/L	U	1	0.20	0.053	5/1/2012 13:25	J
Phenanthrene	0.036	ug/L	U	1	0.20	0.036	5/1/2012 13:25	J
Pyrene	0.033	ug/L	U	1	0.20	0.033	5/1/2012 13:25	J
Decafluorobiphenyl (S)	95	%		1	21-122		5/1/2012 13:25	

VOLATILES

Analysis Desc: 8260C Analysis, Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B

1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	4/27/2012 15:40	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 15:40	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	4/27/2012 15:40	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	4/27/2012 15:40	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	4/27/2012 15:40	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	4/27/2012 15:40	J
1,1-Dichloropropene	0.24	ug/L	U	1	1.0	0.24	4/27/2012 15:40	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215001 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWB-1 Date Collected: 04/26/12 10:04

Parameters	Results	Units			PQL	MDL	Adjusted	
			Qual	DF			Analyzed	Lab
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	4/27/2012 15:40	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	4/27/2012 15:40	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 15:40	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 15:40	J
1,3-Dichlorobenzene	0.31	ug/L	U	1	1.0	0.31	4/27/2012 15:40	J
1,3-Dichloropropane	0.31	ug/L	U	1	1.0	0.31	4/27/2012 15:40	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	4/27/2012 15:40	J
2,2-Dichloropropane	0.57	ug/L	U	1	5.0	0.57	4/27/2012 15:40	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	4/27/2012 15:40	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	4/27/2012 15:40	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	4/27/2012 15:40	J
Acetone	3.3	ug/L	U	1	5.0	3.3	4/27/2012 15:40	J
Acetonitrile	21	ug/L	U	1	50	21	4/27/2012 15:40	J
Acrolein (Propenal)	3.5	ug/L	U	1	5.0	3.5	4/27/2012 15:40	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	4/27/2012 15:40	J
Allyl Chloride(3-Chloropropene	2.1	ug/L	U	1	5.0	2.1	4/27/2012 15:40	J
Benzene	0.21	ug/L	U	1	1.0	0.21	4/27/2012 15:40	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	4/27/2012 15:40	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	4/27/2012 15:40	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	4/27/2012 15:40	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	4/27/2012 15:40	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	4/27/2012 15:40	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	4/27/2012 15:40	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	4/27/2012 15:40	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	4/27/2012 15:40	J
Chloroform	1.0	ug/L		1	1.0	0.26	4/27/2012 15:40	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 15:40	J
Chloroprene	2.0	ug/L	U	1	5.0	2.0	4/27/2012 15:40	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	4/27/2012 15:40	J
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	4/27/2012 15:40	J
Dichlorodifluoromethane	0.34	ug/L	U	1	1.0	0.34	4/27/2012 15:40	J
Ethyl Methacrylate	2.1	ug/L	U	1	5.0	2.1	4/27/2012 15:40	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	4/27/2012 15:40	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	4/27/2012 15:40	J
Isobutyl Alcohol	44	ug/L	U	1	100	44	4/27/2012 15:40	J
Methacrylonitrile	18	ug/L	U	1	50	18	4/27/2012 15:40	J
Methyl Methacrylate	1.8	ug/L	U	1	5.0	1.8	4/27/2012 15:40	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	4/27/2012 15:40	J
Propionitrile (Ethyl cyanide)	21	ug/L	U	1	50	21	4/27/2012 15:40	J
Styrene	0.21	ug/L	U	1	1.0	0.21	4/27/2012 15:40	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID:	G1202215001	Date Received:	04/26/12 14:40	Matrix:	Water
Sample ID:	MWB-1	Date Collected:	04/26/12 10:04		

Parameters	Results	Units	Qual	DF	Adjusted	Adjusted		
					PQL	MDL	Analyzed	Lab
Tetrachloroethylene (PCE)	0.59	ug/L	U,J4	1	1.0	0.59	4/27/2012 15:40	J
Toluene	2.2	ug/L		1	1.0	0.28	4/27/2012 15:40	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	4/27/2012 15:40	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	4/27/2012 15:40	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	4/27/2012 15:40	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	4/27/2012 15:40	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	4/27/2012 15:40	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	4/27/2012 15:40	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	4/27/2012 15:40	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	4/27/2012 15:40	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	4/27/2012 15:40	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	4/27/2012 15:40	J
1,2-Dichloroethane-d4 (S)	100	%		1	80-120		4/27/2012 15:40	
Toluene-d8 (S)	98	%		1	88-110		4/27/2012 15:40	
Bromofluorobenzene (S)	103	%		1	86-115		4/27/2012 15:40	

WET CHEMISTRY

Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0
Chloride	77 mg/L
Nitrate	6.6 mg/L
Ammonia (N)	0.0080 mg/L
Total Dissolved Solids	570 mg/L
Cyanide	0.0038 mg/L
Sulfide	0.036 mg/L

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-2 Date Collected: 04/26/12 12:13

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance								
Conductance	1273	umhos/cm		1			5/14/2012 15:36	
Dissolved Oxygen	0.47	mg/L		1			5/14/2012 15:36	
Groundwater Elevation	34.35	feet		1			5/14/2012 15:36	
Temperature	28	°C		1			5/14/2012 15:36	
Turbidity	72.3	NTU		1			5/14/2012 15:36	
pH	6.7	pH unit		1			5/14/2012 15:36	
METALS								
Analysis Desc: SW846 6010B								
Analysis, Water								
Preparation Method: SW-846.3010A								
Analytical Method: SW-846 6010								
Barium	11	ug/L		1	2.0	0.28	5/1/2012 15:11	J
Beryllium	0.17	ug/L	I	1	0.30	0.13	5/1/2012 15:11	J
Iron	370	ug/L		1	200	38	5/1/2012 15:11	J
Sodium	67	mg/L	V	1	0.20	0.026	5/1/2012 15:11	J
Tin	2.4	ug/L	U	1	20	2.4	5/1/2012 15:11	J
Vanadium	48	ug/L		1	1.5	0.18	5/1/2012 15:11	J
Zinc	5.3	ug/L	I	1	10	2.0	5/1/2012 15:11	J
Analysis Desc: SW846.6020B								
Analysis, Total								
Preparation Method: SW-846.3010A								
Analytical Method: SW-846.6020								
Antimony	0.49	ug/L	I,V	1	0.60	0.073	5/7/2012 23:03	J
Arsenic	0.55	ug/L	I	1	1.0	0.36	5/3/2012 23:53	J
Cadmium	1.6	ug/L		1	0.50	0.14	5/3/2012 23:53	J
Chromium	10	ug/L		1	2.0	1.0	5/3/2012 23:53	J
Cobalt	7.2	ug/L		1	0.50	0.053	5/3/2012 23:53	J
Copper	3.8	ug/L		1	0.70	0.10	5/3/2012 23:53	J
Lead	0.28	ug/L	I	1	0.70	0.076	5/7/2012 23:03	J
Nickel	7.1	ug/L		1	1.0	0.083	5/7/2012 23:03	J
Selenium	2.2	ug/L	U	1	5.0	2.2	5/3/2012 23:53	J
Silver	0.074	ug/L	I	1	0.30	0.059	5/3/2012 23:53	J
Thallium	0.26	ug/L		1	0.20	0.067	5/3/2012 23:53	J
Analysis Desc: SW846.7470A								
Analysis, Water								
Preparation Method: SW-846.7470A								
Analytical Method: SW-846.7470A								
Mercury	0.000033	mg/L		I	1	0.00010	0.000014	5/10/2012 11:49

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-2 Date Collected: 04/26/12 12:13

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
SEMIVOLATILES								
Analysis Desc: 8141A Org Phos Preparation Method: SW-846 3510C								
Pesticide Analysis, Water Analytical Method: EPA 8141								
Dimethoate	0.054	ug/L	U	1	0.20	0.054	5/9/2012 19:02	J
Disulfoton	0.041	ug/L	U	1	0.20	0.041	5/9/2012 19:02	J
Famphur	0.11	ug/L	U	1	0.20	0.11	5/9/2012 19:02	J
Methyl Parathion	0.054	ug/L	U	1	0.20	0.054	5/9/2012 19:02	J
Parathion (Ethyl)	0.064	ug/L	U	1	0.20	0.064	5/9/2012 19:02	J
Phorate	0.044	ug/L	U	1	0.20	0.044	5/9/2012 19:02	J
Tributylphosphate (S)	112	%		1	70-130		5/9/2012 19:02	J
Analysis Desc: 8151A Herbicides Preparation Method: 8151A								
Analysis: Water Analytical Method: EPA 8151A								
2,4,5-T	0.33	ug/L	U	1	2.0	0.33	5/8/2012 01:16	J
2,4-D	1.3	ug/L	U	1	6.0	1.3	5/8/2012 01:16	J
Dinoseb	0.51	ug/L	U	1	2.0	0.51	5/8/2012 01:16	J
Pentachlorophenol	0.29	ug/L	U	1	1.0	0.29	5/8/2012 01:16	J
Silvex (2,4,5-TP)	0.30	ug/L	U	1	2.0	0.30	5/8/2012 01:16	J
2,4-Dichlorophenylacetic (S)	97	%		1	51-122		5/8/2012 01:16	J
Analysis Desc: SW 8011 Analysis Preparation Method: SW-846 8011								
Water Analytical Method: SW-846 8011								
1,2-Dibromo-3-Chloropropane	0.0060	ug/L	U	1	0.020	0.0060	5/3/2012 18:02	J
Ethylene Dibromide (EDB)	0.0062	ug/L	U	1	0.020	0.0062	5/3/2012 18:02	J
Tetrachloro-m-xylene (S)	141	%		1	40.3-190		5/3/2012 18:02	
Analysis Desc: 8081A Pesticide Preparation Method: SW-846 3510C								
Analysis: Water Analytical Method: SW-846 8081A								
4,4'-DDD	0.0016	ug/L	U	1	0.020	0.0016	5/7/2012 16:16	J
4,4'-DDE	0.0037	ug/L	U	1	0.020	0.0037	5/7/2012 16:16	J
4,4'-DDT	0.0021	ug/L	U	1	0.020	0.0021	5/7/2012 16:16	J
Aldrin	0.0019	ug/L	U	1	0.020	0.0019	5/7/2012 16:16	J
Chlordane (technical)	0.047	ug/L	U	1	0.20	0.047	5/7/2012 16:16	J
Dieldrin	0.0011	ug/L	U	1	0.020	0.0011	5/7/2012 16:16	J
Endosulfan I	0.0031	ug/L	U	1	0.020	0.0031	5/7/2012 16:16	J
Endosulfan II	0.0026	ug/L	U	1	0.020	0.0026	5/7/2012 16:16	J
Endosulfan Sulfate	0.0032	ug/L	U	1	0.020	0.0032	5/7/2012 16:16	J
Endrin	0.0017	ug/L	U	1	0.020	0.0017	5/7/2012 16:16	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID:	G1202215002	Date Received:	04/26/12 14:40	Matrix:	Water
Sample ID:	MWC-2	Date Collected:	04/26/12 12:13		

Parameters	Results	Units	Location:		Adjusted PQL	Adjusted MDL	Analyzed	Lab
			Qual	DF				
Endrin Aldehyde	0.0025	ug/L	U	1	0.020	0.0025	5/7/2012 16:16	J
Heptachlor	0.0035	ug/L	U	1	0.020	0.0035	5/7/2012 16:16	J
Heptachlor Epoxide	0.0017	ug/L	U	1	0.020	0.0017	5/7/2012 16:16	J
Methoxychlor	0.0058	ug/L	U	1	0.020	0.0058	5/7/2012 16:16	J
Toxaphene	0.11	ug/L	U	1	0.20	0.11	5/7/2012 16:16	J
alpha-BHC	0.0030	ug/L	U	1	0.020	0.0030	5/7/2012 16:16	J
beta-BHC	0.0019	ug/L	U	1	0.020	0.0019	5/7/2012 16:16	J
delta-BHC	0.00086	ug/L	U	1	0.020	0.00086	5/7/2012 16:16	J
gamma-BHC (Lindane)	0.0018	ug/L	U	1	0.020	0.0018	5/7/2012 16:16	J
Tetrachloro-m-xylene (S)	87	%		1	26-133		5/7/2012 16:16	
Decachlorobiphenyl (S)	82	%		1	26-157		5/7/2012 16:16	

Analysis Desc: 8082A PCB Analysis

Water

Preparation Method: SW-846 3510C

Analytical Method: SW-846 8082A

Aroclor 1016 (PCB-1016)	0.073	ug/L	U	1	0.20	0.073	5/7/2012 16:16	J
Aroclor 1221 (PCB-1221)	0.11	ug/L	U	1	0.20	0.11	5/7/2012 16:16	J
Aroclor 1232 (PCB-1232)	0.097	ug/L	U	1	0.20	0.097	5/7/2012 16:16	J
Aroclor 1242 (PCB-1242)	0.096	ug/L	U	1	0.20	0.096	5/7/2012 16:16	J
Aroclor 1248 (PCB-1248)	0.067	ug/L	U	1	0.20	0.067	5/7/2012 16:16	J
Aroclor 1254 (PCB-1254)	0.051	ug/L	U	1	0.20	0.051	5/7/2012 16:16	J
Aroclor 1260 (PCB-1260)	0.052	ug/L	U	1	0.20	0.052	5/7/2012 16:16	J
Tetrachloro-m-xylene (S)	87	%		1	32-124		5/7/2012 16:16	
Decachlorobiphenyl (S)	82	%		1	29-144		5/7/2012 16:16	

Analysis Desc: 8270C Analysis, Water

Preparation Method: SW-846 3510C

Analytical Method: SW-846 8270C

1,2,4,5-Tetrachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
1,2,4-Trichlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
1,2-Dichlorobenzene	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:51	J
1,2-Diphenylhydrazine	3.1	ug/L	U	1	5.0	3.1	5/9/2012 03:51	J
1,3,5-Trinitrobenzene	1.0	ug/L	U	1	10	1.0	5/9/2012 03:51	J
1,3-Dichlorobenzene	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
1,3-Dinitrobenzene	1.8	ug/L	U	1	5.0	1.8	5/9/2012 03:51	J
1,4-Dichlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
1,4-Naphthoquinone	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
1,4-Phenylenediamine	8.2	ug/L	U	1	80	8.2	5/9/2012 03:51	J
1-Naphthylamine	1.7	ug/L	U	1	5.0	1.7	5/9/2012 03:51	J
2,3,4,6-Tetrachlorophenol	0.62	ug/L	U	1	5.0	0.62	5/9/2012 03:51	J
2,4,5-Trichlorophenol	1.7	ug/L	U	1	5.0	1.7	5/9/2012 03:51	J
2,4,6-Trichlorophenol	0.61	ug/L	U	1	5.0	0.61	5/9/2012 03:51	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWG-2 Date Collected: 04/26/12 12:13

Parameters	Results	Units	Location:		Adjusted PQL	Adjusted MDL	Analyzed	Lab
			Qual	DF				
2,4-Dichlorophenol	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
2,4-Dimethylphenol	0.82	ug/L	U	1	5.0	0.82	5/9/2012 03:51	J
2,4-Dinitrophenol	4.4	ug/L	U	1	10	4.4	5/9/2012 03:51	J
2,4-Dinitrotoluene (2,4-DNT)	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:51	J
2,6-Dichlorophenol	0.64	ug/L	U	1	5.0	0.64	5/9/2012 03:51	J
2,6-Dinitrotoluene (2,6-DNT)	1.7	ug/L	U	1	5.0	1.7	5/9/2012 03:51	J
2-Acetylaminofluorene	0.95	ug/L	U	1	5.0	0.95	5/9/2012 03:51	J
2-Chloronaphthalene	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:51	J
2-Chlorophenol	0.72	ug/L	U	1	5.0	0.72	5/9/2012 03:51	J
2-Methyl-4,6-dinitrophenol	2.0	ug/L	U	1	10	2.0	5/9/2012 03:51	J
2-Methylphenol (o-Cresol)	0.56	ug/L	U	1	5.0	0.56	5/9/2012 03:51	J
2-Naphthylamine	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:51	J
2-Nitroaniline	1.8	ug/L	U	1	5.0	1.8	5/9/2012 03:51	J
2-Nitrophenol	0.87	ug/L	U	1	5.0	0.87	5/9/2012 03:51	J
2-Picoline (2-Methylpyridine)	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:51	J
3+4-Methylphenol(mp-Cresol)	1.5	ug/L	U	1	10	1.5	5/9/2012 03:51	J
3,3'-Dimethylbenzidine	1.0	ug/L	U	1	10	1.0	5/9/2012 03:51	J
3,3'-Dichlorobenzidine	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
3-Methylcholanthrene	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:51	J
3-Nitroaniline	2.0	ug/L	U	1	5.0	2.0	5/9/2012 03:51	J
4-Aminobiphenyl	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
4-Bromophenyl Phenyl Ether	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
4-Chloro-3-methylphenol	0.68	ug/L	U	1	5.0	0.68	5/9/2012 03:51	J
4-Chloroaniline	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:51	J
4-Chlorophenyl Phenyl Ether	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:51	J
4-Dimethyl aminoazobenzene	1.6	ug/L	U	1	10	1.6	5/9/2012 03:51	J
4-Nitroaniline	2.6	ug/L	U	1	5.0	2.6	5/9/2012 03:51	J
4-Nitrophenol	1.6	ug/L	U	1	10	1.6	5/9/2012 03:51	J
5-Nitro-o-toluidine	1.0	ug/L	U	1	10	1.0	5/9/2012 03:51	J
7,12-Dimethylbenz[a]anthracene	1.8	ug/L	U	1	5.0	1.8	5/9/2012 03:51	J
Acetophenone	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
Aniline	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:51	J
Benzidine	0.90	ug/L	U	1	5.0	0.90	5/9/2012 03:51	J
Benzoic Acid	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:51	J
Benzyl Alcohol	0.66	ug/L	U	1	5.0	0.66	5/9/2012 03:51	J
Butyl benzyl phthalate	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:51	J
Chlorobenzilate	1.4	ug/L	U	1	10	1.4	5/9/2012 03:51	J
Di-n-Butyl Phthalate	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:51	J
Di-n-octyl Phthalate	2.0	ug/L	U	1	5.0	2.0	5/9/2012 03:51	J
Diallate	0.75	ug/L	U	1	5.0	0.75	5/9/2012 03:51	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-2 Date Collected: 04/26/12 12:13

Parameters	Results	Units	Qual	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Dibenzofuran	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
Diethyl phthalate	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:51	J
Dimethyl phthalate	2.3	ug/L	U	1	5.0	2.3	5/9/2012 03:51	J
Diphenylamine	2.6	ug/L	U	1	10	2.6	5/9/2012 03:51	J
Ethyl methanesulfonate	0.97	ug/L	U	1	5.0	0.97	5/9/2012 03:51	J
Hexachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
Hexachlorobutadiene	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
Hexachlorocyclopentadiene	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:51	J
Hexachloroethane	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:51	J
Hexachloropropene	1.1	ug/L	U	1	10	1.1	5/9/2012 03:51	J
Isodrin	1.4	ug/L	U	1	10	1.4	5/9/2012 03:51	J
Isophorone	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:51	J
Isosafrole	1.5	ug/L	U	1	10	1.5	5/9/2012 03:51	J
Kepone	74	ug/L	U	1	80	74	5/9/2012 03:51	J
Methapyrilene	55	ug/L	U	1	80	55	5/9/2012 03:51	J
Methyl Methanesulfonate	0.68	ug/L	U	1	5.0	0.68	5/9/2012 03:51	J
N-Nitrosodi-n-butylamine	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
N-Nitrosodi-n-propylamine	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:51	J
N-Nitrosodiethylamine	1.7	ug/L	U	1	5.0	1.7	5/9/2012 03:51	J
N-Nitrosodimethylamine	0.66	ug/L	U	1	5.0	0.66	5/9/2012 03:51	J
N-Nitrosodiphenylamine	2.6	ug/L	U	1	10	2.6	5/9/2012 03:51	J
N-Nitrosomethylbenzylamine	2.1	ug/L	U	1	5.0	2.1	5/9/2012 03:51	J
N-Nitrosopiperidine	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
N-Nitrosopyrrolidine	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:51	J
Nitrobenzene	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:51	J
Nitroquinoline-1-oxide	3.5	ug/L	U	1	10	3.5	5/9/2012 03:51	J
Pentachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
Pentachloronitrobenzene	2.0	ug/L	U	1	5.0	2.0	5/9/2012 03:51	J
Phenacetin	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:51	J
Phenol	0.60	ug/L	U	1	5.0	0.60	5/9/2012 03:51	J
Pronamide (Kerb)	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
Safrole	1.0	ug/L	U	1	10	1.0	5/9/2012 03:51	J
Thionazin (Zinophos)	0.58	ug/L	U	1	5.0	0.58	5/9/2012 03:51	J
a,a-Dimethylphenethylamine	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
bis(2-Chloroethoxy)methane	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:51	J
bis(2-Chloroethyl)Ether	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:51	J
bis(2-Chloroisopropyl) Ether	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
bis(2-Ethylhexyl) phthalate	1.9	ug/L	U	1	5.0	1.9	5/9/2012 03:51	J
o,o,o-Triethylphosphorothioate	1.2	ug/L	U	1	10	1.2	5/9/2012 03:51	J
o-Toluidine	1.3	ug/L	U	1	10	1.3	5/9/2012 03:51	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-2 Date Collected: 04/26/12 12:13

Parameters	Results	Units	Qual	DF	Adjusted		Adjusted Analyzed	Lab
					PQL	MDL		
2-Fluorophenol (S)	37	%		1	10-90		5/9/2012 03:51	
Phenol-d6 (S)	30	%		1	10-67		5/9/2012 03:51	
Nitrobenzene-d5 (S)	92	%		1	32-147		5/9/2012 03:51	
2-Fluorobiphenyl (S)	85	%		1	34-140		5/9/2012 03:51	
2,4,6-Tribromophenol (S)	36	%		1	19-190		5/9/2012 03:51	
p-Terphenyl-d14 (S)	83	%		1	54-138		5/9/2012 03:51	

Analysis Desc: 8270C:SIM Analysis

Preparation Method: SW-846-3510C

Water

Analytical Method: SW-846-8270C (SIM)

1-Methylnaphthalene	0.018	ug/L	U	1	0.20	0.018	4/30/2012 17:31	J
2-Methylnaphthalene	0.045	ug/L	U	1	0.20	0.045	4/30/2012 17:31	J
Acenaphthene	0.034	ug/L	U	1	0.20	0.034	4/30/2012 17:31	J
Acenaphthylene	0.030	ug/L	U	1	0.20	0.030	4/30/2012 17:31	J
Anthracene	0.028	ug/L	U	1	0.20	0.028	4/30/2012 17:31	J
Benz[a]anthracene	0.026	ug/L	U	1	0.20	0.026	4/30/2012 17:31	J
Benz[a]pyrene	0.024	ug/L	U	1	0.20	0.024	4/30/2012 17:31	J
Benz[b]fluoranthene	0.040	ug/L	U	1	0.20	0.040	4/30/2012 17:31	J
Benz[g,h,i]perylene	0.034	ug/L	U	1	0.20	0.034	4/30/2012 17:31	J
Benz[k]fluoranthene	0.058	ug/L	U	1	0.20	0.058	4/30/2012 17:31	J
Chrysene	0.041	ug/L	U	1	0.20	0.041	4/30/2012 17:31	J
Dibenz[a,h]anthracene	0.042	ug/L	U	1	0.20	0.042	4/30/2012 17:31	J
Fluoranthene	0.027	ug/L	U	1	0.20	0.027	4/30/2012 17:31	J
Fluorene	0.030	ug/L	U	1	0.20	0.030	4/30/2012 17:31	J
Indeno(1,2,3-cd)pyrene	0.048	ug/L	U	1	0.20	0.048	4/30/2012 17:31	J
Naphthalene	0.053	ug/L	U	1	0.20	0.053	4/30/2012 17:31	J
Phenanthrene	0.036	ug/L	U	1	0.20	0.036	4/30/2012 17:31	J
Pyrene	0.033	ug/L	U	1	0.20	0.033	4/30/2012 17:31	J
Decafluorobiphenyl (S)	74	%		1	21-122		4/30/2012 17:31	

VOLATILES

Analysis Desc: 8260C Analysis: Water	Preparation Method: SW-846-5030B
	Analytical Method: SW-846-8260B
1,1,1,2-Tetrachloroethane	0.32 ug/L
1,1,1-Trichloroethane	0.29 ug/L
1,1,2,2-Tetrachloroethane	0.48 ug/L
1,1,2-Trichloroethane	0.33 ug/L
1,1-Dichloroethane	0.21 ug/L
1,1-Dichloroethylene	0.29 ug/L
1,1-Dichloropropene	0.24 ug/L

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-2 Date Collected: 04/26/12 12:13

Parameters	Results	Units	Qual	DF	Adjusted		Adjusted	
					PQL	MDL	Analyzed	Lab
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	4/27/2012 17:56	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	4/27/2012 17:56	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 17:56	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 17:56	J
1,3-Dichlorobenzene	0.31	ug/L	U	1	1.0	0.31	4/27/2012 17:56	J
1,3-Dichloropropane	0.31	ug/L	U	1	1.0	0.31	4/27/2012 17:56	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	4/27/2012 17:56	J
2,2-Dichloropropane	0.57	ug/L	U	1	5.0	0.57	4/27/2012 17:56	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	4/27/2012 17:56	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	4/27/2012 17:56	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	4/27/2012 17:56	J
Acetone	3.3	ug/L	U	1	5.0	3.3	4/27/2012 17:56	J
Acetonitrile	21	ug/L	U	1	50	21	4/27/2012 17:56	J
Acrolein (Propenal)	3.5	ug/L	U	1	5.0	3.5	4/27/2012 17:56	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	4/27/2012 17:56	J
Allyl Chloride(3-Chloropropene	2.1	ug/L	U	1	5.0	2.1	4/27/2012 17:56	J
Benzene	0.21	ug/L	U	1	1.0	0.21	4/27/2012 17:56	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	4/27/2012 17:56	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	4/27/2012 17:56	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	4/27/2012 17:56	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	4/27/2012 17:56	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	4/27/2012 17:56	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	4/27/2012 17:56	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	4/27/2012 17:56	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	4/27/2012 17:56	J
Chloroform	0.26	ug/L	U	1	1.0	0.26	4/27/2012 17:56	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 17:56	J
Chloroprene	2.0	ug/L	U	1	5.0	2.0	4/27/2012 17:56	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	4/27/2012 17:56	J
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	4/27/2012 17:56	J
Dichlorodifluoromethane	0.34	ug/L	U	1	1.0	0.34	4/27/2012 17:56	J
Ethyl Methacrylate	2.1	ug/L	U	1	5.0	2.1	4/27/2012 17:56	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	4/27/2012 17:56	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	4/27/2012 17:56	J
Isobutyl Alcohol	44	ug/L	U	1	100	44	4/27/2012 17:56	J
Methacrylonitrile	18	ug/L	U	1	50	18	4/27/2012 17:56	J
Methyl Methacrylate	1.8	ug/L	U	1	5.0	1.8	4/27/2012 17:56	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	4/27/2012 17:56	J
Propionitrile (Ethyl cyanide)	21	ug/L	U	1	50	21	4/27/2012 17:56	J
Styrene	0.21	ug/L	U	1	1.0	0.21	4/27/2012 17:56	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-2 Date Collected: 04/26/12 12:13

Parameters	Results	Units	Qual	DF	Adjusted		Analyzed	Lab
					PQL	MDL		
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	4/27/2012 17:56	J
Toluene	2.8	ug/L		1	1.0	0.28	4/27/2012 17:56	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	4/27/2012 17:56	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	4/27/2012 17:56	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	4/27/2012 17:56	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	4/27/2012 17:56	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	4/27/2012 17:56	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	4/27/2012 17:56	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	4/27/2012 17:56	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	4/27/2012 17:56	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	4/27/2012 17:56	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	4/27/2012 17:56	J
1,2-Dichloroethane-d4 (S)	101	%		1	80-120		4/27/2012 17:56	
Toluene-d8 (S)	97	%		1	88-110		4/27/2012 17:56	
Bromofluorobenzene (S)	102	%		1	86-115		4/27/2012 17:56	

WET CHEMISTRY

Analysis Desc: IC/E300.0,Water	Analytical Method: EPA 300.0
Chloride	73 mg/L
Nitrate	9.4 mg/L
Ammonia (N)	0.18 mg/L
Total Dissolved Solids	700 mg/L
Cyanide	0.0041 mg/L
Sulfide	0.083 mg/L
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540C
Analysis Desc: Cyanide,SM4500-E	Analytical Method: SM 4500-CN-E
Analysis Desc: Sulfide,SM4500-S-D,Aqueous	Analytical Method: SM 4500-S-D

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215003 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-3 Date Collected: 04/26/12 10:54

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD-Conductance Analytical Method: DISRES								
Conductance	1466	umhos/cm		1			5/14/2012 15:36	
Dissolved Oxygen	0.46	mg/L		1			5/14/2012 15:36	
Groundwater Elevation	33.13	feet		1			5/14/2012 15:36	
Temperature	26	°C		1			5/14/2012 15:36	
Turbidity	18.1	NTU		1			5/14/2012 15:36	
METALS								
Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A								
Analysis Water Analytical Method: SW-846 6010								
Barium	60	ug/L		1	2.0	0.28	5/1/2012 15:16	J
Beryllium	0.13	ug/L	U	1	0.30	0.13	5/1/2012 15:16	J
Iron	360	ug/L		1	200	38	5/1/2012 15:16	J
Sodium	83	mg/L	V	1	0.20	0.026	5/1/2012 15:16	J
Tin	2.4	ug/L	U	1	20	2.4	5/1/2012 15:16	J
Vanadium	29	ug/L		1	1.5	0.18	5/1/2012 15:16	J
Zinc	6.3	ug/L	I	1	10	2.0	5/1/2012 15:16	J
Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A								
Analysis Total Analytical Method: SW-846 6020								
Antimony	0.42	ug/L	I,V	1	0.60	0.073	5/7/2012 23:13	J
Arsenic	0.93	ug/L	I	1	1.0	0.36	5/4/2012 00:03	J
Cadmium	4.1	ug/L		1	0.50	0.14	5/4/2012 00:03	J
Chromium	5.5	ug/L		1	2.0	1.0	5/4/2012 00:03	J
Cobalt	3.9	ug/L		1	0.50	0.053	5/4/2012 00:03	J
Copper	6.0	ug/L		1	0.70	0.10	5/4/2012 00:03	J
Lead	0.45	ug/L	I	1	0.70	0.076	5/7/2012 23:13	J
Nickel	3.7	ug/L		1	1.0	0.083	5/7/2012 23:13	J
Selenium	2.2	ug/L	U	1	5.0	2.2	5/4/2012 00:03	J
Silver	0.059	ug/L	U	1	0.30	0.059	5/4/2012 00:03	J
Thallium	0.50	ug/L		1	0.20	0.067	5/4/2012 00:03	J
Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A								
Analysis Water Analytical Method: SW-846 7470A								
Mercury	0.000034	mg/L		I	1	0.00010	0.000014	5/10/2012 11:51 J

SEMICVOLATILES

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID:	G1202215003	Date Received:	04/26/12 14:40	Matrix:	Water
Sample ID:	MWC-3	Date Collected:	04/26/12 10:54		

Sample Description:	Location:							
Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8141A Org Phos	Preparation Method: SW-846 3510C							
Pesticide Analysis, Water	Analytical Method: EPA 8141							
Dimethoate	0.054	ug/L	U	1	0.20	0.054	5/9/2012 19:35	J
Disulfoton	0.041	ug/L	U	1	0.20	0.041	5/9/2012 19:35	J
Famphur	0.11	ug/L	U	1	0.20	0.11	5/9/2012 19:35	J
Methyl Parathion	0.054	ug/L	U	1	0.20	0.054	5/9/2012 19:35	J
Parathion (Ethyl)	0.064	ug/L	U	1	0.20	0.064	5/9/2012 19:35	J
Phorate	0.044	ug/L	U	1	0.20	0.044	5/9/2012 19:35	J
Tributylphosphate (S)	109	%		1	70-130		5/9/2012 19:35	J
Analysis Desc: 8151A Herbicides	Preparation Method: 8151							
Analysis, Water	Analytical Method: EPA 8151							
2,4,5-T	0.33	ug/L	U	1	2.0	0.33	5/8/2012 01:43	J
2,4-D	1.3	ug/L	U	1	6.0	1.3	5/8/2012 01:43	J
Dinoseb	0.51	ug/L	U	1	2.0	0.51	5/8/2012 01:43	J
Pentachlorophenol	0.29	ug/L	U	1	1.0	0.29	5/8/2012 01:43	J
Silvex (2,4,5-TP)	0.30	ug/L	U	1	2.0	0.30	5/8/2012 01:43	J
2,4-Dichlorophenylacetic (S)	86	%		1	51-122		5/8/2012 01:43	J
Analysis Desc: SW 8011 Analysis, Water	Preparation Method: SW-846 8011							
	Analytical Method: SW-846 8011							
1,2-Dibromo-3-Chloropropane	0.0060	ug/L	U	1	0.020	0.0060	5/3/2012 18:27	J
Ethylene Dibromide (EDB)	0.0062	ug/L	U	1	0.020	0.0062	5/3/2012 18:27	J
Tetrachloro-m-xylene (S)	137	%		1	40.3-190		5/3/2012 18:27	
Analysis Desc: 8081A Pesticide Analysis, Water	Preparation Method: SW-846 3510C							
	Analytical Method: SW-846 8081A							
4,4'-DDD	0.0016	ug/L	U	1	0.020	0.0016	5/7/2012 15:56	J
4,4'-DDE	0.0037	ug/L	U	1	0.020	0.0037	5/7/2012 15:56	J
4,4'-DDT	0.0021	ug/L	U	1	0.020	0.0021	5/7/2012 15:56	J
Aldrin	0.0019	ug/L	U	1	0.020	0.0019	5/7/2012 15:56	J
Chlordane (technical)	0.047	ug/L	U	1	0.20	0.047	5/7/2012 15:56	J
Dieldrin	0.0011	ug/L	U	1	0.020	0.0011	5/7/2012 15:56	J
Endosulfan I	0.0031	ug/L	U	1	0.020	0.0031	5/7/2012 15:56	J
Endosulfan II	0.0026	ug/L	U	1	0.020	0.0026	5/7/2012 15:56	J
Endosulfan Sulfate	0.0032	ug/L	U	1	0.020	0.0032	5/7/2012 15:56	J
Endrin	0.0017	ug/L	U	1	0.020	0.0017	5/7/2012 15:56	J
Endrin Aldehyde	0.0025	ug/L	U	1	0.020	0.0025	5/7/2012 15:56	J
Heptachlor	0.0035	ug/L	U	1	0.020	0.0035	5/7/2012 15:56	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215003

Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWC-3

Date Collected: 04/26/12 10:54

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted		Adjusted	
					PQL	MDL	Analyzed	Lab
Heptachlor Epoxide	0.0017	ug/L	U	1	0.020	0.0017	5/7/2012 15:56	J
Methoxychlor	0.0058	ug/L	U	1	0.020	0.0058	5/7/2012 15:56	J
Toxaphene	0.11	ug/L	U	1	0.20	0.11	5/7/2012 15:56	J
alpha-BHC	0.0030	ug/L	U	1	0.020	0.0030	5/7/2012 15:56	J
beta-BHC	0.0019	ug/L	U	1	0.020	0.0019	5/7/2012 15:56	J
delta-BHC	0.00086	ug/L	U	1	0.020	0.00086	5/7/2012 15:56	J
gamma-BHC (Lindane)	0.0018	ug/L	U	1	0.020	0.0018	5/7/2012 15:56	J
Tetrachloro-m-xylene (S)	75	%		1	26-133		5/7/2012 15:56	
Decachlorobiphenyl (S)	64	%		1	26-157		5/7/2012 15:56	

Analysis Desc: 8082A PCB Analysis,

Preparation Method: SW-846 3510C

Water

Analytical Method: SW-846 8082A

Aroclor 1016 (PCB-1016)	0.073	ug/L	U	1	0.20	0.073	5/7/2012 15:56	J
Aroclor 1221 (PCB-1221)	0.11	ug/L	U	1	0.20	0.11	5/7/2012 15:56	J
Aroclor 1232 (PCB-1232)	0.097	ug/L	U	1	0.20	0.097	5/7/2012 15:56	J
Aroclor 1242 (PCB-1242)	0.096	ug/L	U	1	0.20	0.096	5/7/2012 15:56	J
Aroclor 1248 (PCB-1248)	0.067	ug/L	U	1	0.20	0.067	5/7/2012 15:56	J
Aroclor 1254 (PCB-1254)	0.051	ug/L	U	1	0.20	0.051	5/7/2012 15:56	J
Aroclor 1260 (PCB-1260)	0.052	ug/L	U	1	0.20	0.052	5/7/2012 15:56	J
Tetrachloro-m-xylene (S)	75	%		1	32-124		5/7/2012 15:56	
Decachlorobiphenyl (S)	64	%		1	29-144		5/7/2012 15:56	

Analysis Desc: 8270C Analysis, Water

Preparation Method: SW-846 3510C

Analytical Method: SW-846 8270C

1,2,4,5-Tetrachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
1,2,4-Trichlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
1,2-Dichlorobenzene	1.1	ug/L	U	1	5.0	1.1	5/9/2012 02:24	J
1,2-Diphenylhydrazine	3.1	ug/L	U	1	5.0	3.1	5/9/2012 02:24	J
1,3,5-Trinitrobenzene	1.0	ug/L	U	1	10	1.0	5/9/2012 02:24	J
1,3-Dichlorobenzene	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
1,3-Dinitrobenzene	1.8	ug/L	U	1	5.0	1.8	5/9/2012 02:24	J
1,4-Dichlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
1,4-Naphthoquinone	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
1,4-Phenylenediamine	8.2	ug/L	U	1	80	8.2	5/9/2012 02:24	J
1-Naphthylamine	1.7	ug/L	U	1	5.0	1.7	5/9/2012 02:24	J
2,3,4,6-Tetrachlorophenol	0.62	ug/L	U	1	5.0	0.62	5/9/2012 02:24	J
2,4,5-Trichlorophenol	1.7	ug/L	U	1	5.0	1.7	5/9/2012 02:24	J
2,4,6-Trichlorophenol	0.61	ug/L	U	1	5.0	0.61	5/9/2012 02:24	J
2,4-Dichlorophenol	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
2,4-Dimethylphenol	0.82	ug/L	U	1	5.0	0.82	5/9/2012 02:24	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215003

Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWC-3

Date Collected: 04/26/12 10:54

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted		Adjusted	
					PQL	MDL	Analyzed	Lab
2,4-Dinitrophenol	4.4	ug/L	U	1	10	4.4	5/9/2012 02:24	J
2,4-Dinitrotoluene (2,4-DNT)	1.5	ug/L	U	1	5.0	1.5	5/9/2012 02:24	J
2,6-Dichlorophenol	0.64	ug/L	U	1	5.0	0.64	5/9/2012 02:24	J
2,6-Dinitrotoluene (2,6-DNT)	1.7	ug/L	U	1	5.0	1.7	5/9/2012 02:24	J
2-Acetylaminofluorene	0.95	ug/L	U	1	5.0	0.95	5/9/2012 02:24	J
2-Chloronaphthalene	1.2	ug/L	U	1	5.0	1.2	5/9/2012 02:24	J
2-Chlorophenol	0.72	ug/L	U	1	5.0	0.72	5/9/2012 02:24	J
2-Methyl-4,6-dinitrophenol	2.0	ug/L	U	1	10	2.0	5/9/2012 02:24	J
2-Methylphenol (o-Cresol)	0.56	ug/L	U	1	5.0	0.56	5/9/2012 02:24	J
2-Naphthylamine	1.2	ug/L	U	1	5.0	1.2	5/9/2012 02:24	J
2-Nitroaniline	1.8	ug/L	U	1	5.0	1.8	5/9/2012 02:24	J
2-Nitrophenol	0.87	ug/L	U	1	5.0	0.87	5/9/2012 02:24	J
2-Picoline (2-Methylpyridine)	1.1	ug/L	U	1	5.0	1.1	5/9/2012 02:24	J
3+4-Methylphenol(mp-Cresol)	1.5	ug/L	U	1	10	1.5	5/9/2012 02:24	J
3,3'-Dimethylbenzidine	1.0	ug/L	U	1	10	1.0	5/9/2012 02:24	J
3,3'-Dichlorobenzidine	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
3-Methylcholanthrene	1.6	ug/L	U	1	5.0	1.6	5/9/2012 02:24	J
3-Nitroaniline	2.0	ug/L	U	1	5.0	2.0	5/9/2012 02:24	J
4-Aminobiphenyl	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
4-Bromophenyl Phenyl Ether	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
4-Chloro-3-methylphenol	0.68	ug/L	U	1	5.0	0.68	5/9/2012 02:24	J
4-Chloroaniline	1.1	ug/L	U	1	5.0	1.1	5/9/2012 02:24	J
4-Chlorophenyl Phenyl Ether	1.2	ug/L	U	1	5.0	1.2	5/9/2012 02:24	J
4-Dimethyl aminoazobenzene	1.6	ug/L	U	1	10	1.6	5/9/2012 02:24	J
4-Nitroaniline	2.6	ug/L	U	1	5.0	2.6	5/9/2012 02:24	J
4-Nitrophenol	1.6	ug/L	U	1	10	1.6	5/9/2012 02:24	J
5-Nitro-o-toluidine	1.0	ug/L	U	1	10	1.0	5/9/2012 02:24	J
7,12-Dimethylbenz[a]anthracene	1.8	ug/L	U	1	5.0	1.8	5/9/2012 02:24	J
Acetophenone	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
Aniline	1.1	ug/L	U	1	5.0	1.1	5/9/2012 02:24	J
Benzidine	0.90	ug/L	U	1	5.0	0.90	5/9/2012 02:24	J
Benzoic Acid	1.6	ug/L	U	1	5.0	1.6	5/9/2012 02:24	J
Benzyl Alcohol	0.66	ug/L	U	1	5.0	0.66	5/9/2012 02:24	J
Butyl benzyl phthalate	1.5	ug/L	U	1	5.0	1.5	5/9/2012 02:24	J
Chlorobenzilate	1.4	ug/L	U	1	10	1.4	5/9/2012 02:24	J
Di-n-Butyl Phthalate	1.1	ug/L	U	1	5.0	1.1	5/9/2012 02:24	J
Di-n-octyl Phthalate	2.0	ug/L	U	1	5.0	2.0	5/9/2012 02:24	J
Diallate	0.75	ug/L	U	1	5.0	0.75	5/9/2012 02:24	J
Dibenzofuran	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
Diethyl phthalate	1.5	ug/L	U	1	5.0	1.5	5/9/2012 02:24	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215003

Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWC-3

Date Collected: 04/26/12 10:54

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted		Adjusted	
					PQL	MDL	Analyzed	Lab
Dimethyl phthalate	2.3	ug/L	U	1	5.0	2.3	5/9/2012 02:24	J
Diphenylamine	2.6	ug/L	U	1	10	2.6	5/9/2012 02:24	J
Ethyl methanesulfonate	0.97	ug/L	U	1	5.0	0.97	5/9/2012 02:24	J
Hexachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
Hexachlorobutadiene	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
Hexachlorocyclopentadiene	1.2	ug/L	U	1	5.0	1.2	5/9/2012 02:24	J
Hexachloroethane	1.1	ug/L	U	1	5.0	1.1	5/9/2012 02:24	J
Hexachloropropene	1.1	ug/L	U	1	10	1.1	5/9/2012 02:24	J
Isodrin	1.4	ug/L	U	1	10	1.4	5/9/2012 02:24	J
Isophorone	1.5	ug/L	U	1	5.0	1.5	5/9/2012 02:24	J
Isosafrole	1.5	ug/L	U	1	10	1.5	5/9/2012 02:24	J
Kepone	74	ug/L	U	1	80	74	5/9/2012 02:24	J
Methapyrilene	55	ug/L	U	1	80	55	5/9/2012 02:24	J
Methyl Methanesulfonate	0.68	ug/L	U	1	5.0	0.68	5/9/2012 02:24	J
N-Nitrosodi-n-butylamine	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
N-Nitrosodi-n-propylamine	1.6	ug/L	U	1	5.0	1.6	5/9/2012 02:24	J
N-Nitrosodiethylamine	1.7	ug/L	U	1	5.0	1.7	5/9/2012 02:24	J
N-Nitrosodimethylamine	0.66	ug/L	U	1	5.0	0.66	5/9/2012 02:24	J
N-Nitrosodiphenylamine	2.6	ug/L	U	1	10	2.6	5/9/2012 02:24	J
N-Nitrosomethylbenzylamine	2.1	ug/L	U	1	5.0	2.1	5/9/2012 02:24	J
N-Nitrosopiperidine	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
N-Nitrosopyrrolidine	1.1	ug/L	U	1	5.0	1.1	5/9/2012 02:24	J
Nitrobenzene	1.6	ug/L	U	1	5.0	1.6	5/9/2012 02:24	J
Nitroquinoline-1-oxide	3.5	ug/L	U	1	10	3.5	5/9/2012 02:24	J
Pentachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
Pentachloronitrobenzene	2.0	ug/L	U	1	5.0	2.0	5/9/2012 02:24	J
Phenacetin	1.2	ug/L	U	1	5.0	1.2	5/9/2012 02:24	J
Phenol	0.60	ug/L	U	1	5.0	0.60	5/9/2012 02:24	J
Pronamide (Kerb)	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
Safrole	1.0	ug/L	U	1	10	1.0	5/9/2012 02:24	J
Thionazin (Zinophos)	0.58	ug/L	U	1	5.0	0.58	5/9/2012 02:24	J
a,a-Dimethylphenethylamine	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
bis(2-Chloroethoxy)methane	1.6	ug/L	U	1	5.0	1.6	5/9/2012 02:24	J
bis(2-Chloroethyl)Ether	1.2	ug/L	U	1	5.0	1.2	5/9/2012 02:24	J
bis(2-Chloroisopropyl) Ether	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
bis(2-Ethylhexyl) phthalate	1.9	ug/L	U	1	5.0	1.9	5/9/2012 02:24	J
o,o,o-Triethylphosphorothioate	1.2	ug/L	U	1	10	1.2	5/9/2012 02:24	J
o-Toluidine	1.3	ug/L	U	1	10	1.3	5/9/2012 02:24	J
2-Fluorophenol (S)	38	%		1	10-90		5/9/2012 02:24	
Phenol-d6 (S)	25	%		1	10-67		5/9/2012 02:24	

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID:	G1202215003	Date Received:	04/26/12 14:40	Matrix:	Water
Sample ID:	MWC-3	Date Collected:	04/26/12 10:54		

Parameters	Results	Units	Qual	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Nitrobenzene-d5 (S)	90	%		1	32-147		5/9/2012 02:24	
2-Fluorobiphenyl (S)	82	%		1	34-140		5/9/2012 02:24	
2,4,6-Tribromophenol (S)	43	%		1	19-190		5/9/2012 02:24	
p-Terphenyl-d14 (S)	92	%		1	54-138		5/9/2012 02:24	
Analysis Desc: 8270C-SIM Analysis					Preparation Method: SW-846 3510C			
Water					Analytical Method: SW-846 8270C (SIM)			
1-Methylnaphthalene	0.018	ug/L	U	1	0.20	0.018	4/30/2012 18:03	J
2-Methylnaphthalene	0.045	ug/L	U	1	0.20	0.045	4/30/2012 18:03	J
Acenaphthene	0.034	ug/L	U	1	0.20	0.034	4/30/2012 18:03	J
Acenaphthylene	0.030	ug/L	U	1	0.20	0.030	4/30/2012 18:03	J
Anthracene	0.028	ug/L	U	1	0.20	0.028	4/30/2012 18:03	J
Benzo[a]anthracene	0.026	ug/L	U	1	0.20	0.026	4/30/2012 18:03	J
Benzo[a]pyrene	0.024	ug/L	U	1	0.20	0.024	4/30/2012 18:03	J
Benzo[b]fluoranthene	0.040	ug/L	U	1	0.20	0.040	4/30/2012 18:03	J
Benzo[g,h,i]perylene	0.034	ug/L	U	1	0.20	0.034	4/30/2012 18:03	J
Benzo[k]fluoranthene	0.058	ug/L	U	1	0.20	0.058	4/30/2012 18:03	J
Chrysene	0.041	ug/L	U	1	0.20	0.041	4/30/2012 18:03	J
Dibenz[a,h]anthracene	0.042	ug/L	U	1	0.20	0.042	4/30/2012 18:03	J
Fluoranthene	0.027	ug/L	U	1	0.20	0.027	4/30/2012 18:03	J
Fluorene	0.030	ug/L	U	1	0.20	0.030	4/30/2012 18:03	J
Indeno(1,2,3-cd)pyrene	0.048	ug/L	U	1	0.20	0.048	4/30/2012 18:03	J
Naphthalene	0.053	ug/L	U	1	0.20	0.053	4/30/2012 18:03	J
Phenanthrene	0.036	ug/L	U	1	0.20	0.036	4/30/2012 18:03	J
Pyrene	0.033	ug/L	U	1	0.20	0.033	4/30/2012 18:03	J
Decafluorobiphenyl (S)	93	%		1	21-122		4/30/2012 18:03	

VOLATILES

Analysis Desc: 8260C Analysis	Water	Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B						
1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	4/27/2012 18:42	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 18:42	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	4/27/2012 18:42	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	4/27/2012 18:42	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	4/27/2012 18:42	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	4/27/2012 18:42	J
1,1-Dichloropropene	0.24	ug/L	U	1	1.0	0.24	4/27/2012 18:42	J
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	4/27/2012 18:42	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	4/27/2012 18:42	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215003

Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWC-3

Date Collected: 04/26/12 10:54

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted		Analyzed	Lab
					PQL	MDL		
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 18:42	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 18:42	J
1,3-Dichlorobenzene	0.31	ug/L	U	1	1.0	0.31	4/27/2012 18:42	J
1,3-Dichloropropane	0.31	ug/L	U	1	1.0	0.31	4/27/2012 18:42	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	4/27/2012 18:42	J
2,2-Dichloropropane	0.57	ug/L	U	1	5.0	0.57	4/27/2012 18:42	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	4/27/2012 18:42	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	4/27/2012 18:42	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	4/27/2012 18:42	J
Acetone	3.3	ug/L	U	1	5.0	3.3	4/27/2012 18:42	J
Acetonitrile	21	ug/L	U	1	50	21	4/27/2012 18:42	J
Acrolein (Propenal)	3.5	ug/L	U	1	5.0	3.5	4/27/2012 18:42	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	4/27/2012 18:42	J
Allyl Chloride(3-Chloropropene)	2.1	ug/L	U	1	5.0	2.1	4/27/2012 18:42	J
Benzene	0.21	ug/L	U	1	1.0	0.21	4/27/2012 18:42	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	4/27/2012 18:42	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	4/27/2012 18:42	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	4/27/2012 18:42	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	4/27/2012 18:42	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	4/27/2012 18:42	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	4/27/2012 18:42	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	4/27/2012 18:42	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	4/27/2012 18:42	J
Chloroform	0.26	ug/L	U	1	1.0	0.26	4/27/2012 18:42	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 18:42	J
Chloroprene	2.0	ug/L	U	1	5.0	2.0	4/27/2012 18:42	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	4/27/2012 18:42	J
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	4/27/2012 18:42	J
Dichlorodifluoromethane	0.34	ug/L	U	1	1.0	0.34	4/27/2012 18:42	J
Ethyl Methacrylate	2.1	ug/L	U	1	5.0	2.1	4/27/2012 18:42	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	4/27/2012 18:42	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	4/27/2012 18:42	J
Isobutyl Alcohol	44	ug/L	U	1	100	44	4/27/2012 18:42	J
Methacrylonitrile	18	ug/L	U	1	50	18	4/27/2012 18:42	J
Methyl Methacrylate	1.8	ug/L	U	1	5.0	1.8	4/27/2012 18:42	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	4/27/2012 18:42	J
Propionitrile (Ethyl cyanide)	21	ug/L	U	1	50	21	4/27/2012 18:42	J
Styrene	0.21	ug/L	U	1	1.0	0.21	4/27/2012 18:42	J
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	4/27/2012 18:42	J
Toluene	3.0	ug/L		1	1.0	0.28	4/27/2012 18:42	J

Report ID: 210187 - 395707

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215003 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-3 Date Collected: 04/26/12 10:54

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	4/27/2012 18:42 J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	4/27/2012 18:42 J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	4/27/2012 18:42 J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	4/27/2012 18:42 J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	4/27/2012 18:42 J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	4/27/2012 18:42 J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	4/27/2012 18:42 J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	4/27/2012 18:42 J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	4/27/2012 18:42 J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	4/27/2012 18:42 J
1,2-Dichloroethane-d4 (S)	101	%		1	80-120		4/27/2012 18:42
Toluene-d8 (S)	96	%		1	88-110		4/27/2012 18:42
BromoFluorobenzene (S)	102	%		1	86-115		4/27/2012 18:42

WET CHEMISTRY

Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0
Chloride	56 mg/L
Nitrate	5.8 mg/L
Ammonia (N)	0.62 mg/L
Total Dissolved Solids	910 mg/L
Cyanide, SM4500-E, Water	Analytical Method: SM 4500-CN-E
Cyanide	0.0023 mg/L
Sulfide, SM4500-S-D, D'Aqueous	Analytical Method: SM 4500-S-D
Sulfide	0.018 mg/L

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ANALYTICAL RESULTS QUALIFIERS

Workorder: G1202215 INITIAL MONITORING

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- O
- V Method Blank Contamination
- J4 Estimated Result

LAB QUALIFIERS

- G DOH Certification #E82001(AEL-G)(FL NELAC Certification)
- J DOH Certification #E82574(AEL-JAX)(FL NELAC Certification)
- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

OC Batch: EXTj/1388 Analysis Method: SW-846 8270C
QC Batch Method: SW-846 3510C Prepared: 04/27/2012 17:30
Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 953125

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMICVOLATILES			
Phenol	ug/L	0.60	0.60 U
2-Chlorophenol	ug/L	0.72	0.72 U
2-Methylphenol (o-Cresol)	ug/L	0.56	0.56 U
3+4-Methylphenol(mp-Cresol)	ug/L	1.5	1.5 U
2-Nitrophenol	ug/L	0.87	0.87 U
2,4-Dimethylphenol	ug/L	0.82	0.82 U
Benzoic Acid	ug/L	1.6	1.6 U
2,4-Dichlorophenol	ug/L	1.3	1.3 U
2,6-Dichlorophenol	ug/L	0.64	0.64 U
4-Chloro-3-méthylphenol	ug/L	0.68	0.68 U
2,4,6-Trichlorophenol	ug/L	0.61	0.61 U
2,4,5-Trichlorophenol	ug/L	1.7	1.7 U
2,4-Dinitrophenol	ug/L	4.4	4.4 U
4-Nitrophenol	ug/L	1.6	1.6 U
2,3,4,6-Tetrachlorophenol	ug/L	0.62	0.62 U
2-Methyl-4,6-dinitrophenol	ug/L	2.0	2.0 U
N-Nitrosodimethylamine	ug/L	0.66	0.66 U
2-Picoline (2-Methylpyridine)	ug/L	1.1	1.1 U
Methyl Methanesulfonate	ug/L	0.68	0.68 U
Ethyl methanesulfonate	ug/L	0.97	0.97 U
Aniline	ug/L	1.1	1.1 U
bis(2-Chloroethyl)Ether	ug/L	1.2	1.2 U
1,3-Dichlorobenzene	ug/L	1.3	1.3 U
1,4-Dichlorobenzene	ug/L	1.4	1.4 U
1,2-Dichlorobenzene	ug/L	1.1	1.1 U
Benzyl Alcohol	ug/L	0.66	0.66 U
bis(2-Chloroisopropyl) Ether	ug/L	1.4	1.4 U
Acetophenone	ug/L	1.3	1.3 U
N-Nitrosodi-n-propylamine	ug/L	1.6	1.6 U
Hexachloroethane	ug/L	1.1	1.1 U
Nitrobenzene	ug/L	1.6	1.6 U
N-Nitrosopiperidine	ug/L	1.3	1.3 U
Isophorone	ug/L	1.5	1.5 U
bis(2-Chloroethoxy)methane	ug/L	1.6	1.6 U
1,2,4-Trichlorobenzene	ug/L	1.4	1.4 U
a,a-Dimethylphenethylamine	ug/L	1.4	1.4 U
4-Chloroaniline	ug/L	1.1	1.1 U
Hexachlorobutadiene	ug/L	1.3	1.3 U
N-Nitrosodi-n-butylamine	ug/L	1.3	1.3 U

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

METHOD BLANK: 953125

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Hexachlorocyclopentadiene	ug/L	1.2	1.2 U
1,2,4,5-Tetrachlorobenzene	ug/L	1.4	1.4 U
2-Chloronaphthalene	ug/L	1.2	1.2 U
2-Nitroaniline	ug/L	1.8	1.8 U
Dimethyl phthalate	ug/L	2.3	2.3 U
2,6-Dinitrotoluene (2,6-DNT)	ug/L	1.7	1.7 U
3-Nitroaniline	ug/L	2.0	2.0 U
Pentachlorobenzene	ug/L	1.4	1.4 U
Dibenzofuran	ug/L	1.4	1.4 U
2,4-Dinitrotoluene (2,4-DNT)	ug/L	1.5	1.5 U
1-Naphthylamine	ug/L	1.7	1.7 U
2-Naphthylamine	ug/L	1.2	1.2 U
Diethyl phthalate	ug/L	1.5	1.5 U
4-Chlorophenyl Phenyl Ether	ug/L	1.2	1.2 U
4-Nitroaniline	ug/L	2.6	2.6 U
Diphenylamine	ug/L	2.6	2.6 U
1,2-Diphenylhydrazine	ug/L	3.1	3.1 U
Phenacetin	ug/L	1.2	1.2 U
4-Bromophenyl Phenyl Ether	ug/L	1.3	1.3 U
Hexachlorobenzene	ug/L	1.4	1.4 U
Pentachloronitrobenzene	ug/L	2.0	2.0 U
4-Aminobiphenyl	ug/L	1.3	1.3 U
Pronamide (Kerb)	ug/L	1.4	1.4 U
Di-n-Butyl Phthalate	ug/L	1.1	1.1 U
Benzidine	ug/L	0.90	0.90 U
4-Dimethyl aminoazobenzene	ug/L	1.6	1.6 U
Butyl benzyl phthalate	ug/L	1.5	1.5 U
3,3'-Dichlorobenzidine	ug/L	1.4	1.4 U
bis(2-Ethylhexyl) phthalate	ug/L	1.9	1.9 U
Di-n-octyl Phthalate	ug/L	2.0	2.0 U
7,12-	ug/L	1.8	1.8 U
Dimethylbenz[a]anthracene	ug/L	1.6	1.6 U
3-Methylcholanthrene	ug/L	2.6	2.6 U
N-Nitrosodiphenylamine	ug/L	2.1	2.1 U
N-Nitrosomethylethylamine	ug/L	1.7	1.7 U
N-Nitrosodiethylamine	ug/L	1.1	1.1 U
o-Toluidine	ug/L	1.3	1.3 U
o,o,o-	ug/L	1.2	1.2 U
Triethylphosphorothioate	ug/L	1.1	1.1 U
Hexachloropropene	ug/L	8.2	8.2 U
1,4-Phenylenediamine	ug/L	1.0	1.0 U
Safrole	ug/L	1.5	1.5 U
Isosafrole	ug/L	1.3	1.3 U
1,4-Naphthoquinone	ug/L	1.3	1.3 U

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

METHOD BLANK: 953125

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,3-Dinitrobenzene	ug/L	1.8	1.8	U
5-Nitro-o-toluidine	ug/L	1.0	1.0	U
1,3,5-Trinitrobenzene	ug/L	1.0	1.0	U
Nitroquinoline-1-oxide	ug/L	3.5	3.5	U
Methapyrilene	ug/L	55	55	U
Isodrin	ug/L	1.4	1.4	U
3,3'-Dimethylbenzidine	ug/L	1.0	1.0	U
2-Acetylaminofluorene	ug/L	0.95	0.95	U
Thionazin (Zinophos)	ug/L	0.58	0.58	U
Diallate	ug/L	0.75	0.75	U
Chlorobenzilate	ug/L	1.4	1.4	U
Kepone	ug/L	74	74	U
2-Fluorophenol (S)	%	42	10-90	
Phenol-d6 (S)	%	28	10-67	
Nitrobenzene-d5 (S)	%	101	32-147	
2-Fluorobiphenyl (S)	%	96	34-140	
2,4,6-Tribromophenol (S)	%	64	19-190	
p-Terphenyl-d14 (S)	%	115	54-138	

QC Batch: MSVj/1419

Analysis Method:

SW-846 8260B

QC Batch Method: SW-846 5030B

Prepared:

04/27/2012 10:22

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 953379

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Dichlorodifluoromethane	ug/L	0.34	0.34	U
Chloromethane	ug/L	0.29	0.29	U
Vinyl Chloride	ug/L	0.37	0.37	U
Bromomethane	ug/L	0.26	0.26	U
Chloroethane	ug/L	0.58	0.58	U
Trichlorofluoromethane	ug/L	0.35	0.35	U
Acrolein (Propenal)	ug/L	3.5	3.5	U
Acetone	ug/L	3.3	3.3	U
1,1-Dichloroethylene	ug/L	0.29	0.29	U
Iodomethane (Methyl Iodide)	ug/L	0.20	0.20	U
Acrylonitrile	ug/L	1.6	1.6	U
Methylene Chloride	ug/L	0.60	0.32	I
Carbon Disulfide	ug/L	0.34	0.34	U
trans-1,2-Dichloroethylene	ug/L	0.40	0.40	U
1,1-Dichloroethane	ug/L	0.21	0.21	U

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

METHOD BLANK: 953379

Parameter	Units	Blank Result	Reporting	
			Limit	Qualifiers
Vinyl Acetate	ug/L	0.35	0.35	U
2-Butanone (MEK)	ug/L	0.97	0.97	U
cis-1,2-Dichloroethylene	ug/L	0.28	0.28	U
Bromochloromethane	ug/L	0.37	0.37	U
Chloroform	ug/L	0.26	0.26	U
2,2-Dichloropropane	ug/L	0.57	0.57	U
1,2-Dichloroethane	ug/L	0.29	0.29	U
1,1,1-Trichloroethane	ug/L	0.29	0.29	U
1,1-Dichloropropene	ug/L	0.24	0.24	U
Carbon Tetrachloride	ug/L	0.24	0.24	U
Benzene	ug/L	0.21	0.21	U
Dibromomethane	ug/L	0.38	0.38	U
1,2-Dichloropropane	ug/L	0.29	0.29	U
Trichloroethene	ug/L	0.36	0.36	U
Bromodichloromethane	ug/L	0.26	0.26	U
cis-1,3-Dichloropropene	ug/L	0.29	0.29	U
4-Methyl-2-pentanone (MIBK)	ug/L	0.51	0.51	U
trans-1,3-Dichloropropylene	ug/L	0.19	0.19	U
1,1,2-Trichloroethane	ug/L	0.33	0.33	U
Toluene	ug/L	0.28	0.28	U
1,3-Dichloropropane	ug/L	0.31	0.31	U
2-Hexanone	ug/L	0.44	0.44	U
Dibromochloromethane	ug/L	0.33	0.33	U
Tetrachloroethylene (PCE)	ug/L	0.59	0.59	U
1,1,1,2-Tetrachloroethane	ug/L	0.32	0.32	U
Chlorobenzene	ug/L	0.23	0.23	U
Ethylbenzene	ug/L	0.24	0.24	U
Bromoform	ug/L	0.62	0.62	U
Styrene	ug/L	0.21	0.21	U
1,1,2,2-Tetrachloroethane	ug/L	0.48	0.48	U
1,2,3-Trichloropropane	ug/L	0.32	0.32	U
1,3-Dichlorobenzene	ug/L	0.31	0.31	U
1,4-Dichlorobenzene	ug/L	0.37	0.37	U
1,2-Dichlorobenzene	ug/L	0.36	0.36	U
Acetonitrile	ug/L	21	21	U
Allyl Chloride(3-Chloropropene	ug/L	2.1	2.1	U
Propionitrile (Ethyl cyanide)	ug/L	21	21	U
Chloroprene	ug/L	2.0	2.0	U
Methacrylonitrile	ug/L	18	18	U
Isobutyl Alcohol	ug/L	44	44	U
Methyl Methacrylate	ug/L	1.8	1.8	U
Ethyl Methacrylate	ug/L	2.1	2.1	U
trans-1,4-Dichloro-2-butene	ug/L	1.8	1.8	U
Xylene (Total)	ug/L	0.62	0.62	U

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

METHOD BLANK: 953379

Parameter	Units	Blank Result	Reporting Limit Qualifiers
1,2-Dichloroethane-d4 (S)	%	100	80-120
Toluene-d8 (S)	%	99	88-110
Bromoformobenzene (S)	%	100	86-115

QC Batch: EXTj/1394 Analysis Method: SW-846 8270C (SIM)

QC Batch Method: SW-846 3510C Prepared: 04/30/2012 12:00

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 953623

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMOVOLATILES			
Naphthalene	ug/L	0.053	0.053 U
2-Methylnaphthalene	ug/L	0.045	0.045 U
1-Methylnaphthalene	ug/L	0.018	0.018 U
Acenaphthylene	ug/L	0.030	0.030 U
Acenaphthene	ug/L	0.034	0.034 U
Fluorene	ug/L	0.030	0.030 U
Phenanthrene	ug/L	0.036	0.036 U
Anthracene	ug/L	0.028	0.028 U
Fluoranthene	ug/L	0.027	0.027 U
Pyrene	ug/L	0.033	0.033 U
Benzo[a]anthracene	ug/L	0.026	0.026 U
Chrysene	ug/L	0.041	0.041 U
Benzo[b]fluoranthene	ug/L	0.040	0.040 U
Benzo[k]fluoranthene	ug/L	0.058	0.058 U
Benzo[a]pyrene	ug/L	0.024	0.024 U
Indeno(1,2,3-cd)pyrene	ug/L	0.048	0.048 U
Dibenzo[a,h]anthracene	ug/L	0.042	0.042 U
Benzo[g,h,i]perylene	ug/L	0.034	0.034 U
Decafluorobiphenyl (S)	%	77	21-122

QC Batch: DGMj/1473 Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A Prepared: 05/01/2012 03:30

Associated Lab Samples: G1202215001, G1202215002, G1202215003

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

METHOD BLANK: 954104

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Barium	ug/L	0.28	0.28 U
Beryllium	ug/L	0.13	0.13 U
Iron	ug/L	38	38 U
Sodium	mg/L	0.032	0.026 I
Tin	ug/L	4.0	2.4 I
Vanadium	ug/L	0.18	0.18 U
Zinc	ug/L	2.0	2.0 U

QC Batch: WCAg/1608 Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0 Prepared:

Associated Lab Samples: G1202215002, G1202215003

METHOD BLANK: 954202

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Chloride	mg/L	0.032	0.032 U
Nitrate	mg/L	0.011	0.011 U

QC Batch: WCAu/3319 Analysis Method: SM 4500-S-D

QC Batch Method: SM 4500-S-D Prepared:

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 954343

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Sulfide	mg/L	0.0062	0.0062 U

QC Batch: WCAg/1610 Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0 Prepared:

Associated Lab Samples: G1202215001

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

METHOD BLANK: 954560

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Chloride	mg/L	0.032	0.032 U
Nitrate	mg/L	0.011	0.011 U

QC Batch: WCAg/1623 Analysis Method: SM 2540C

QC Batch Method: SM 2540C Prepared:

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 956194

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Dissolved Solids	mg/L	10	10 U

METHOD BLANK: 956197

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Dissolved Solids	mg/L	10	10 U
QC Batch: EXTj/1406			Analysis Method: SW-846 8011
QC Batch Method: SW-846 8011			Prepared: 05/03/2012 10:00
Associated Lab Samples: G1202215001, G1202215002, G1202215003			

METHOD BLANK: 956503

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMOVOLATILES			
Ethylene Dibromide (EDB)	ug/L	0.0062	0.0062 U
1,2-Dibromo-3-Chloropropane	ug/L	0.0060	0.0060 U
Tetrachloro-m-xylene (S)	%	123	40.3-190

QC Batch: DGMj/1485 Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A Prepared: 05/03/2012 03:30

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 956666

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Chromium	ug/L	1.0	1.0 U
Cobalt	ug/L	0.053	0.053 U
Nickel	ug/L	0.083	0.083 U
Copper	ug/L	0.10	0.10 U
Arsenic	ug/L	0.36	0.36 U
Selenium	ug/L	2.2	2.2 U
Silver	ug/L	0.059	0.059 U
Cadmium	ug/L	0.14	0.14 U
Thallium	ug/L	0.067	0.067 U
Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Antimony	ug/L	0.16	0.073 I
Lead	ug/L	0.076	0.076 U

QC Batch: WCAg/1628 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 956839

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Ammonia (N)	mg/L	0.0080	0.0080 U

QC Batch: EXTj/1408 Analysis Method: SW-846 8081A

QC Batch Method: SW-846 3510C Prepared: 05/03/2012 12:00

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 957026

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMOVOLATILES			
alpha-BHC	ug/L	0.0030	0.0030 U
gamma-BHC (Lindane)	ug/L	0.0018	0.0018 U

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

METHOD BLANK: 957026

Parameter	Units	Blank Result	Reporting Limit Qualifiers
beta-BHC	ug/L	0.0019	0.0019 U
delta-BHC	ug/L	0.00086	0.00086 U
Heptachlor	ug/L	0.0035	0.0035 U
Aldrin	ug/L	0.0019	0.0019 U
Heptachlor Epoxide	ug/L	0.0017	0.0017 U
Endosulfan I	ug/L	0.0031	0.0031 U
4,4'-DDE	ug/L	0.0037	0.0037 U
Dieldrin	ug/L	0.0011	0.0011 U
Endrin	ug/L	0.0017	0.0017 U
4,4'-DDD	ug/L	0.0016	0.0016 U
Endosulfan II	ug/L	0.0026	0.0026 U
Endrin Aldehyde	ug/L	0.0025	0.0025 U
4,4'-DDT	ug/L	0.0021	0.0021 U
Endosulfan Sulfate	ug/L	0.0032	0.0032 U
Methoxychlor	ug/L	0.0058	0.0058 U
Chlordane (technical)	ug/L	0.047	0.047 U
Toxaphene	ug/L	0.11	0.11 U
Tetrachloro-m-xylene (S)	%	73	26-133
Decachlorobiphenyl (S)	%	66	26-157

QC Batch: EXTj/1409 Analysis Method: SW-846 8082A

QC Batch Method: SW-846 3510C Prepared: 05/03/2012 12:00

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 957032

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMOVOLATILES			
Aroclor 1016 (PCB-1016)	ug/L	0.073	0.073 U
Aroclor 1221 (PCB-1221)	ug/L	0.11	0.11 U
Aroclor 1232 (PCB-1232)	ug/L	0.097	0.097 U
Aroclor 1242 (PCB-1242)	ug/L	0.096	0.096 U
Aroclor 1248 (PCB-1248)	ug/L	0.087	0.067 U
Aroclor 1254 (PCB-1254)	ug/L	0.051	0.051 U
Aroclor 1260 (PCB-1260)	ug/L	0.052	0.052 U
Tetrachloro-m-xylene (S)	%	73	32-124
Decachlorobiphenyl (S)	%	66	29-144

QC Batch: EXTj/1412 Analysis Method: EPA 8141

QC Batch Method: SW-846 3510C Prepared: 05/03/2012 16:00

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 957716

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMIVOLATILES			
Phorate	ug/L	0.044	0.044 U
Disulfoton	ug/L	0.041	0.041 U
Methyl Parathion	ug/L	0.054	0.054 U
Dimethoate	ug/L	0.054	0.054 U
Parathion (Ethyl)	ug/L	0.064	0.064 U
Famphur	ug/L	0.11	0.11 U
Tributylphosphate (S)	%	127	70-130

QC Batch: EXTj/1420 Analysis Method: EPA 8151

QC Batch Method: 8151 Prepared: 05/03/2012 09:00

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 959052

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMIVOLATILES			
2,4-D	ug/L	0.63	0.63 U
Pentachlorophenol	ug/L	0.14	0.14 U
Silvex (2,4,5-TP)	ug/L	0.15	0.15 U
2,4,5-T	ug/L	0.17	0.17 U
Dinoseb	ug/L	0.26	0.26 U
2,4-Dichlorophenylacetic (S)	%	66	51-122

QC Batch: DGMj/1511 Analysis Method: SW-846 7470A

QC Batch Method: SW-846 7470A Prepared: 05/10/2012 08:30

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 961507

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Mercury	mg/L	0.000014	0.000014 U

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

QC Batch: WCAt/3528 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Prepared:
Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 962426

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Cyanide	mg/L	0.0018	0.0018 U

QUALITY CONTROL DATA QUALIFIERS

Workorder: G1202215 INITIAL MONITORING

QUALITY CONTROL PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J3 Lab QC Failure
- J4 Estimated Result
- V Method Blank Contamination

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: G1202215 INITIAL MONITORING

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
G1202215001	MWB-1	SW-846 3510C	EXTj/1388	SW-846 8270C	MSSj/1178
G1202215002	MWC-2	SW-846 3510C	EXTj/1388	SW-846 8270C	MSSj/1178
G1202215003	MWC-3	SW-846 3510C	EXTj/1388	SW-846 8270C	MSSj/1178
G1202215001	MWB-1	SW-846 5030B	MSVj/1419	SW-846 8260B	MSVj/1420
G1202215002	MWC-2	SW-846 5030B	MSVj/1419	SW-846 8260B	MSVj/1420
G1202215003	MWC-3	SW-846 5030B	MSVj/1419	SW-846 8260B	MSVj/1420
G1202215001	MWB-1	SW-846 3510C	EXTj/1394	SW-846 8270C (SIM)	MSSj/1167
G1202215002	MWC-2	SW-846 3510C	EXTj/1394	SW-846 8270C (SIM)	MSSj/1167
G1202215003	MWC-3	SW-846 3510C	EXTj/1394	SW-846 8270C (SIM)	MSSj/1167
G1202215001	MWB-1	SW-846 3010A	DGMj/1473	SW-846 6010	ICPj/1290
G1202215002	MWC-2	SW-846 3010A	DGMj/1473	SW-846 6010	ICPj/1290
G1202215003	MWC-3	SW-846 3010A	DGMj/1473	SW-846 6010	ICPj/1290
G1202215002	MWC-2			EPA 300.0	WCAg/1608
G1202215003	MWC-3			EPA 300.0	WCAg/1608
G1202215001	MWB-1			SM 4500-S-D	WCAI/3319
G1202215002	MWC-2			SM 4500-S-D	WCAI/3319
G1202215003	MWC-3			SM 4500-S-D	WCAI/3319
G1202215001	MWB-1			EPA 300.0	WCAg/1610
G1202215001	MWB-1			SM 2540C	WCAg/1623
G1202215002	MWC-2			SM 2540C	WCAg/1623
G1202215003	MWC-3			SM 2540C	WCAg/1623
G1202215001	MWB-1	SW-846 8011	EXTj/1406	SW-846 8011	GCSj/1284
G1202215002	MWC-2	SW-846 8011	EXTj/1406	SW-846 8011	GCSj/1284
G1202215003	MWC-3	SW-846 8011	EXTj/1406	SW-846 8011	GCSj/1284

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: G1202215 INITIAL MONITORING

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
G1202215001	MWB-1	SW-846 3010A	DGMj/1485	SW-846 6020	ICMj/1096
G1202215002	MWC-2	SW-846 3010A	DGMj/1485	SW-846 6020	ICMj/1096
G1202215003	MWC-3	SW-846 3010A	DGMj/1485	SW-846 6020	ICMj/1096
G1202215001	MWB-1			EPA 350.1	WCAg/1628
G1202215002	MWC-2			EPA 350.1	WCAg/1628
G1202215003	MWC-3			EPA 350.1	WCAg/1628
G1202215001	MWB-1	SW-846 3510C	EXTj/1408	SW-846 8081A	GCSj/1286
G1202215002	MWC-2	SW-846 3510C	EXTj/1408	SW-846 8081A	GCSj/1286
G1202215003	MWC-3	SW-846 3510C	EXTj/1408	SW-846 8081A	GCSj/1286
G1202215001	MWB-1	SW-846 3510C	EXTj/1409	SW-846 8082A	GCSj/1287
G1202215002	MWC-2	SW-846 3510C	EXTj/1409	SW-846 8082A	GCSj/1287
G1202215003	MWC-3	SW-846 3510C	EXTj/1409	SW-846 8082A	GCSj/1287
G1202215001	MWB-1	SW-846 3510C	EXTj/1412	EPA 8141	GCSj/1304
G1202215002	MWC-2	SW-846 3510C	EXTj/1412	EPA 8141	GCSj/1304
G1202215003	MWC-3	SW-846 3510C	EXTj/1412	EPA 8141	GCSj/1304
G1202215001	MWB-1	8151	EXTj/1420	EPA 8151	GCSj/1299
G1202215002	MWC-2	8151	EXTj/1420	EPA 8151	GCSj/1299
G1202215003	MWC-3	8151	EXTj/1420	EPA 8151	GCSj/1299
G1202215001	MWB-1	SW-846 7470A	DGMj/1511	SW-846 7470A	CVAj/1097
G1202215002	MWC-2	SW-846 7470A	DGMj/1511	SW-846 7470A	CVAj/1097
G1202215003	MWC-3	SW-846 7470A	DGMj/1511	SW-846 7470A	CVAj/1097
G1202215001	MWB-1			SM 4500-CN-E	WCAt/3528
G1202215002	MWC-2			SM 4500-CN-E	WCAt/3528
G1202215003	MWC-3			SM 4500-CN-E	WCAt/3528

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: G1202215 INITIAL MONITORING

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
G1202215001	MWB-1			DISRES	FLDx/1001
G1202215002	MWC-2			DISRES	FLDx/1001
G1202215003	MWC-3			DISRES	FLDx/1001

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ADVANCED ENVIRONMENTAL LABORATORIES, INC.
GROUNDWATER SAMPLING LOG
4965 SW 41ST BLVD. GAINESVILLE, FL 32608

SITE NAME: Central Testing	SITE LOCATION: Sumter Landfill
WELL NO: MWB-1	SAMPLE ID:
DATE: 4/26/12	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (Inches):	WELL SCREEN INTERVAL DEPTH (feet to feet)	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:							
2	3/8	32.78	32.78	ESP							
WELL VOLUME PURGE: WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
$= (40.00 \text{ feet} - 32.78 \text{ feet}) \times .16 \text{ gallons/foot} = 1.15 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: EQUIPMENT VOL. = (TUBING CAPACITY / TUBING LENGTH) X TUBING LENGTH X FLOW RATE VOLUME (only fill out if applicable)											
$= (\text{gallons/ft} \times \text{feet}) \times \text{feet} \times \text{gallons/ft} = \text{gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	35	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	35	PURGING INITIATED AT: 9:14 ENDED AT: 9:39 TOTAL VOLUME PURGED (gallons): 4.75							
TIME	VOLUME PURGED (gallons)	CUMUL. VOL. Purged (Gallons)	Purge Rate (GPM)	pH (standard units)	Temp. (C)	COND. (Circle units) μmos/cm or μS/cm	DISSOLVED OXYGEN (Circle units) mg/L or % saturation	Turbidity (NTU)	Depth to water (feet)	COLOR (describe)	ODOR (describe)
9:21	1.25	—	.178	7.07	23.4	959	2.20	229	32.92	Cloudy	No
9:24	.5	1.75	.166	7.04	23.4	957	2.16	138	32.92	Cloudy	No
9:27	.5	2.25	.166	7.02	23.5	956	2.20	78.5	32.90	Cloudy	No
9:31	.5	2.75	.125	7.01	23.5	953	1.95	57.6	32.90	No	No
9:35	.5	3.25	.125	6.99	23.7	954	2.32	33.1	33.90	No	No
9:39	.5	4.75	.125	6.98	23.7	959	2.43	43.5	33.90	No	No
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.05; 2" = 0.16; 3" = 0.37; 4" = 0.85; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal/ft): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Baile, BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)					SAMPLING DATA						

SAMPLED BY (PRINT) / AFFILIATION: Frankie Allen / AEL	Sampler's Signature: <i>Frankie Allen</i>	SAMPLING INITIATED AT: 9:40	SAMPLING ENDED AT: 10:04					
PUMP OR TUBING DEPTH IN WELL (feet): 35	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y N	FILTER SIZE: <u> </u> μm Filtration Equipment Type:					
FIELD DECONTAMINATION: PUMP Y N	TUBING Y Dedicated	DUPLICATE: Y N						
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION						
# CONTAINERS	MATERIAL CODE	VOLUME	Preservative Used	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	Sample Pump Flow Rate (mls/min)
REMARKS: Depth to water for piezometers , PZ-1 32.44 , PZ-2 29.50 , PZ-3 30.35 , PZ-4 30.82								
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Baile, BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; O = Other (Specify)								

ADVANCED ENVIRONMENTAL LABORATORIES, INC.
GROUNDWATER SAMPLING LOG
4965 SW 41ST BLVD. GAINESVILLE, FL 32608

SITE NAME: Central Testing	SITE LOCATION: Sumter Landfill	
WELL NO: MWC-2	SAMPLE ID:	DATE: 4/26/12

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	3/8	WELL SCREEN INTERVAL DEPTH: feet to feet:		STATIC DEPTH TO WATER (feet):	34.35	PURGE PUMP TYPE OR BAILER:	ESP
----------------------------	---	------------------------------	-----	--	--	----------------------------------	-------	-------------------------------	-----

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only if out if applicable)

$$= (40.00 \text{ feet} - 34.35 \text{ feet}) \times .16 \text{ gallons/foot} = .90 \text{ gallons}$$

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill cell if applicable)

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):			FINAL PUMP OR TUBING DEPTH IN WELL (feet):			PURGING INITIATED AT:		PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):		
TIME	VOLUME PURGED (gallons)	CUMUL. VOL. Purged (Gallons)	Purge Rate (GPM)	pH (standard scale)	Tempt. (°C)	COND. (circle units) Interference or μ Stm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	Turbidity (NTU)	Depth to water (feet)	COLOR (describe)	ODOR (describe)
11:26	1	—	.166	6.86	26.2	1125	1.00	1082	34.50	Cloudy	No
11:32	.5	1.5	.083	6.77	27.2	1242	.55	377	34.46	Cloudy	No
11:38	.5	2	.083	6.74	27.5	1260	.52	182	34.48	Cloudy	No
11:44	.5	2.5	.083	6.72	27.8	1261	.39	130	34.46	Cloudy	No
11:50	.5	3	.083	6.71	27.8	1269	.51	86.3	34.44	No	No
11:56	.5	3.5	.083	6.70	28.0	1273	.47	72.3	34.47	No	No

WELL CAPACITY (Gallons Per Foot) $0.75 = 0.02$; $1'' = 0.04$; $1.25'' = 0.06$; $2'' = 0.16$; $3'' = 0.37$; $4'' = 0.65$; $5'' = 1.02$; $6'' = 1.47$; $12'' = 5.68$
TUBING INSIDE DIA. CAPACITY (Gal/Ft.) $1/8'' = 0.0006$; $3/16'' = 0.014$; $1/4'' = 0.026$; $5/16'' = 0.044$; $3/8'' = 0.066$; $1/2'' = 0.10$; $5/8'' = 0.306$

PURGING EQUIPMENT CODES: B = Bladder; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Frankie Allen / AEL				Sampler's Signature: <i>Frankie Allen</i>		SAMPLING INITIATED AT: 11:58	SAMPLING ENDED AT: 12:13		
PUMP OR TUBING		TUBING		FIELD-FILTERED: Y N		FILTER SIZE: _____ μm			
DEPTH IN WELL (feet) 36		MATERIAL CODE: PE		Filtration Equipment Type:					
FIELD DECONTAMINATION: PUMP Y N				TUBING Y Dedicated		DUPLICATE	Y N		
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	Sample Pump Flow Rate (mls/min)
# CONTAINERS	MATERIAL CODE	VOLUME	Preservative Used	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
				See Chain					
REMARKS:									
SAMPLING EQUIPMENT CODES:		APP = After Peristaltic Pump;		B = Boiler;	BP = Bladder Pump;	ESP = Electric Submersible Pump;			
		RFFF = Reverse Flow Peristaltic Pump;		O = Other (Specify)					

SAMPLING

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFFF = Reverse Flow Peristaltic Pump; O = Other {Specify}

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GROUNDWATER SAMPLING LOG
4965 SW 41ST BLVD. GAINESVILLE, FL 32608

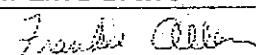
SITE NAME: Central Testing	SITE LOCATION: Sumter Landfill
WELL NO: MWC-3	SAMPLE ID:

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet to) _____ feet TO WATER (feet):	STATIC DEPTH DEPTH: (feet to) _____ feet TO WATER (feet):	PURGE PUMP TYPE OR BAILER: ESP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (40.00 feet - 33.13 feet) X .16 gallons/foot = 1.09 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH + FLOW CELL VOLUME) (only fill out if applicable)											
= _____ gallons + _____ gallons/foot X _____ feet = _____ gallons = _____ gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	FURGING INITIATED AT: 10:14	PURGING ENDED AT: 10:34	TOTAL VOLUME PURGED (gallons): 3.75							
TIME	VOLUME PURGED (gallons)	CUMUL. VOL. Purged (Gallons)	Purge Rate (GPM)	pH (standard units)	Temp. (C)	COND. (circle units) mmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	Turbidity (NTU)	Depth to water (feet)	COLOR (describe)	ODOR (describe)
10:18	1.25	—	.312	6.89	25.4	1340	1.00	348	33.20	Cloudy	No
10:22	.5	1.75	.166	6.80	25.6	1407	.74	126	33.20	Cloudy	No
10:25	.5	2.25	.166	6.73	25.8	1465	.56	36.7	33.20	No	No
10:28	.5	2.75	.166	6.71	25.9	1470	.54	26.3	33.20	No	No
10:31	.5	3.25	.166	6.70	26.0	1468	.51	21.1	33.20	No	No
10:34	.5	3.75	.166	6.69	26.0	1466	.46	18.1	33.20	No	No
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.69; 5" = 1.02; 6" = 1.47; 12" = 5.80											
TUBING INSIDE DIA. CAPACITY (Gal/Ft): 18" = 0.006; 316" = 0.0014; 14" = 0.0028; 5116" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Frankie Allen / AEL			Sampler's Signature: 	SAMPLING INITIATED AT: 10:36	SAMPLING ENDED AT: 10:54
PUMP OR TUBING DEPTH IN WELL (feet): 35		TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y N	FILTER SIZE: _____ μm Filtration Equipment Type:	
FIELD DECONTAMINATION: PUMP Y N		TUBING Y Dedicated	DUPLICATE: Y N		
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		
CONTAINERS	MATERIAL CODE	VOLUME	Preservative Used	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH
See Chain:					
REMARKS:					
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; O = Other (Specify)					